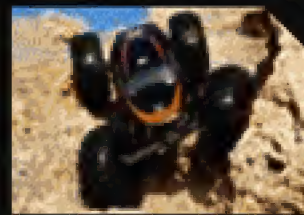
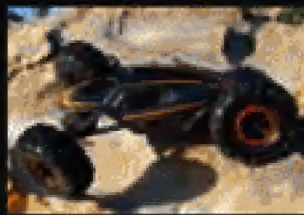




# X-ROX

1/10TH SCALE | ELECTRIC | 4WD | MOTOR-ON-AXLE | COMPETITION ROCK CRAWLER



 **axial**®





## CAUTIONS



To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as outlined herein.

### CHOOSE THE RIGHT PLACE TO OPERATE YOUR R/C MODEL.

- Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.
- Never run R/C models near people or animals.
- To avoid injury, do not run in confined spaces.
- Do not run where loud noises can disturb others, such as hospitals and residential areas.
- Never run indoors. There is a high risk of fire and/or damage.

### INSPECT YOUR MODEL BEFORE OPERATION.

- Make sure that all screws and nuts are properly tightened. It is also a good idea to use removable thread lock wherever metal screws go into metal, especially for engine mounts and the engine pilot shaft.
- Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model.
- Always test the brakes and throttle before starting your engine to avoid losing control of the model.
- Make sure no one else is using the same radio frequency as you are using.

### AFTER OPERATION OF YOUR R/C MODEL

- Turn off receiver first, then turn off transmitter, this will prevent runaways.
- Be careful when handling batteries, they will be hot after running.
- Replace any batteries that have been dented or have frayed wires, short circuits can cause fire.
- Be sure to keep your R/C model clean and free of excess dirt and grease, this will increase the life.

## VORSICHT!



Um Verletzungen an Personen und/oder Sachschäden zu vermeiden, sollten alle ferngesteuerten Modelle sorgfältig und verantwortungsbewusst bedient werden, wie nachfolgend beschrieben.

### Wählen Sie den richtigen Platz zum Fahren

- Fahren Sie niemals auf öffentlichen Straßen. Dies könnte Verkehrsunfälle, Personen schädigen oder Sachschäden verursachen.
- Fahren Sie niemals in der Nähe von anderen Personen oder Tieren.
- Fahren Sie niemals auf belebten Straßen.
- Fahren Sie nie in der Nähe von Wohnhäusern oder Krankenhäusern. Der Lärm könnte andere Personen stören.
- Fahren Sie niemals in Innenräumen. Dort könnte etwas beschädigt werden.

### Überprüfen Sie Ihr Modell, bevor Sie es in Betrieb nehmen.

- Gehen Sie sicher, dass alle Schrauben und Muttern festgezogen sind. Verwenden Sie überall dort Schrauben-Sicherungslack, wo Metallschrauben in ein Metallgewinde greifen, besonders bei den Motorhaltern.
- Um Störungen zu vermeiden, benutzen Sie immer voll geladene Akkus in Ihrem Sender und Empfänger.
- Bevor Sie den Motor starten, sollten Sie immer die Funktion der Bremse und des Gashebels testen.
- Gehen Sie sicher, dass niemand mit der gleichen Frequenz fährt wie Sie.

### Nach Betrieb des RC Modells:

- Zuerst den Empfänger abdrehen, dann den Sender abdrehen um unkontrolliertes Durchgehen zu vermeiden.
- Seien Sie vorsichtig mit gebrauchten Akkus, sie können nach dem Gebrauch heiß sein.
- Ersetzen Sie Akkus/Batterien die beschädigt sind oder schadhafte Kabel aufweisen, sie können Kurzschlüsse oder Feuer verursachen.
- Halten Sie Ihr Fahrzeug sauber und entfernen Sie Schmutz und Schmierfett, damit erhöhen Sie die Lebensdauer Ihres Modells.

## PRECAUTIONS



Afin d'éviter toutes blessures corporelles et/ou dommages environnants, veuillez procéder en toute responsabilité comme indiqué ci-dessous

### Choisir le lieu adéquat pour faire rouler votre modèle.

- Ne jamais rouler dans les rues ou sur les routes ouvertes au public. Ceci peut provoquer de graves accidents.
- Ne jamais rouler près de personnes ou d'animaux.
- Pour éviter les blessures, ne pas rouler dans des espaces confinés.
- Ne jamais rouler où le bruit peut déranger, comme aux abords des hôpitaux ou des quartiers résidentiels.
- Ne jamais rouler à l'intérieur: les gaz d'échappement sont nocifs.

### Contrôler votre modèle avant chaque utilisation.

- Vérifier que les vis et les écrous sont bien serrés. Il est très fortement conseillé d'utiliser du frein filet pour bloquer les vis qui sont en contact avec du métal et tout particulièrement les vis du moteur.
- Toujours utiliser des batteries bien chargées pour l'émission et la réception.
- Toujours vérifier les freins et la commande des gaz avant de démarrer.
- Vérifier qu'aucune autre personne n'utilise votre fréquence radio.

### Après l'Opération De Votre Modèle de R/C

- Le virage du récepteur premier, alors virage de l'émetteur, ceci empêchera des fugitifs.
- Faire attention en contrôlant des piles, ils auront chaud après avoir couru.
- Remplacer n'importe quelles piles qui ont été cabossées ou a éraillé des fils, les court-circuits peuvent causer le feu.
- Être sûr de garder votre modèle de R/C nettoie et libère de terre et la graisse supplémentaires, ceci augmentera la vie.



## Equipment needed / Benötigtes Zubehör / Equipement nécessaire

### Radio Gear / Fernsteueranlage / Equipement Radio

#### Radio control system

• You will need a 2-Channel radio system with one servo, receiver, an electronic speed control with an ON/OFF switch.

#### Fernsteueranlage

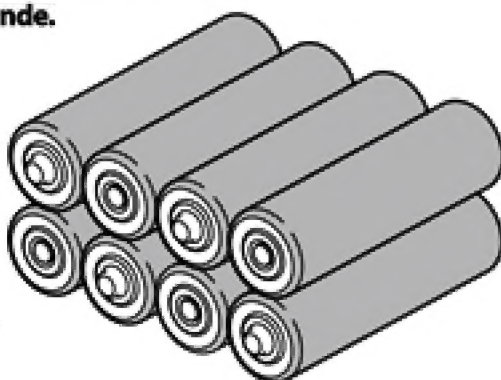
• Sie werden ein 2-kanal Radio System mit einem Servo, Empfänger, eine elektronische Geschwindigkeitssteuerung mit einem Netzschalter brauchen.

#### Ensemble radiocommande

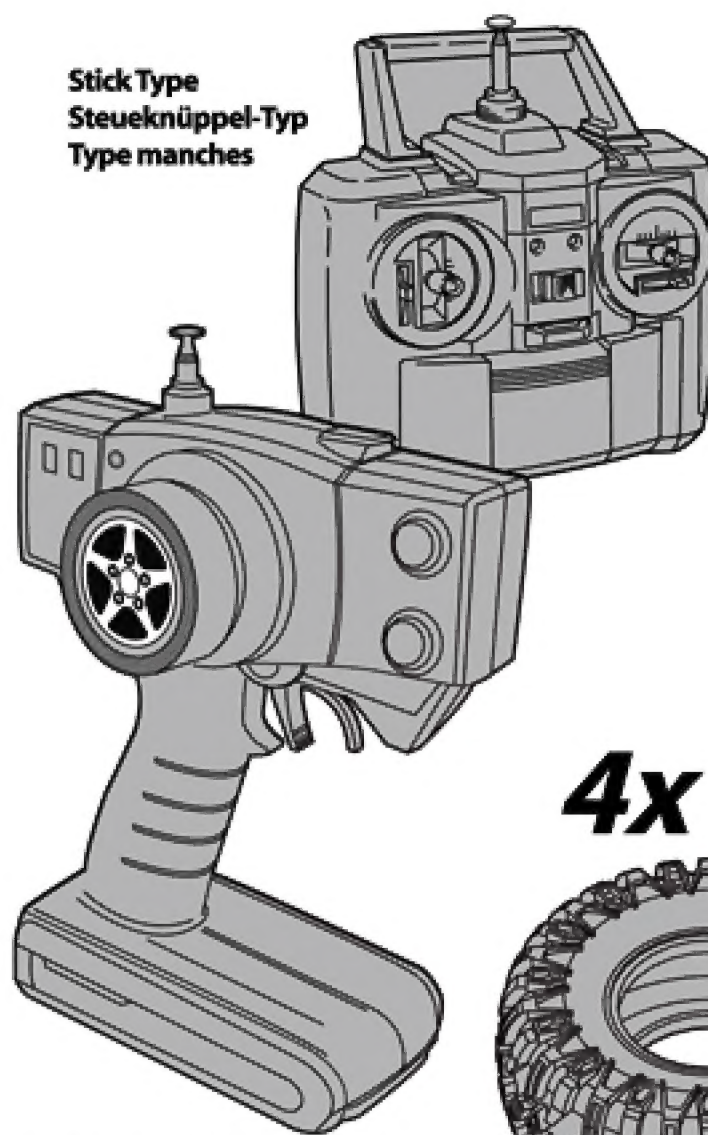
• Vous aurez besoin d'un système de radio de 2 Chaînes avec un servo, le récepteur, un contrôleur de vitesse électronique avec un interrupteur (on-off).

- 8AA Alkaline Dry Batteries.
- 8 St. AA Trockenbatterien.
- 8 piles type R6 pour votre radio commande.

8x

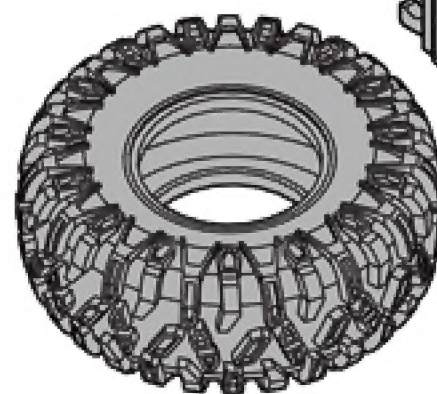


Stick Type  
Steueknüppel-Typ  
Type manches



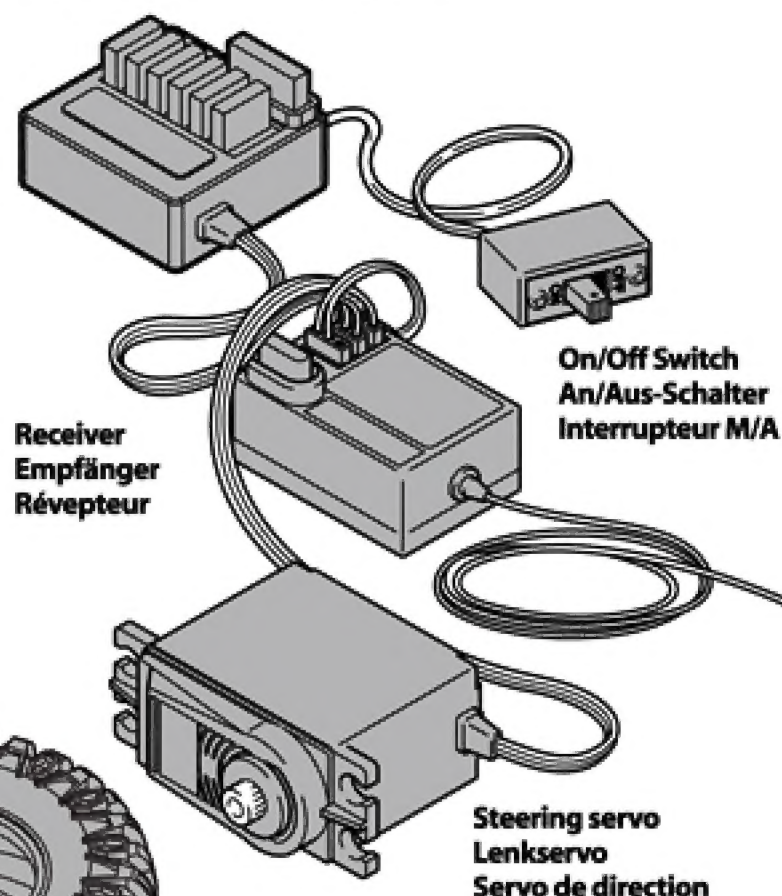
Wheel & Trigger Type  
Pistolen-Griff Typ  
Type Volant et gachette

4x



Tires  
Reifen  
Pneus

Electronics Speed Control with Dual Motor Capabilities  
Electronics Speed Control  
Elektrischer Fahrtenregler  
Contrôleur de Vitesse électronique



Receiver  
Empfänger  
Récepteur

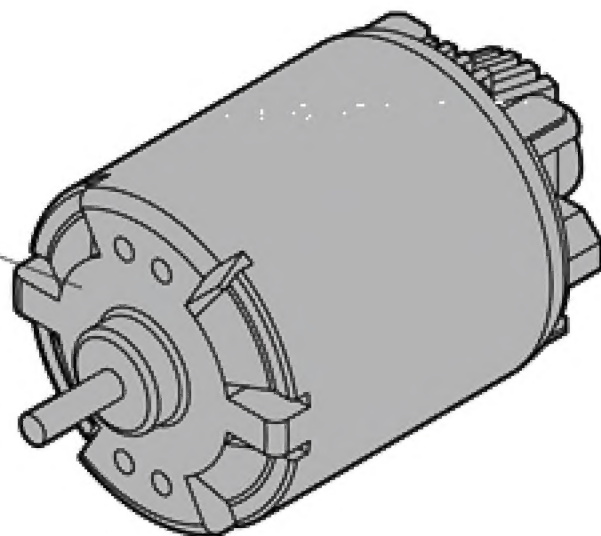
On/Off Switch  
An/Aus-Schalter  
Interrupteur M/A

Steering servo  
Lenkservo  
Servo de direction

### Motor / Motoren / Moteur

540 Size

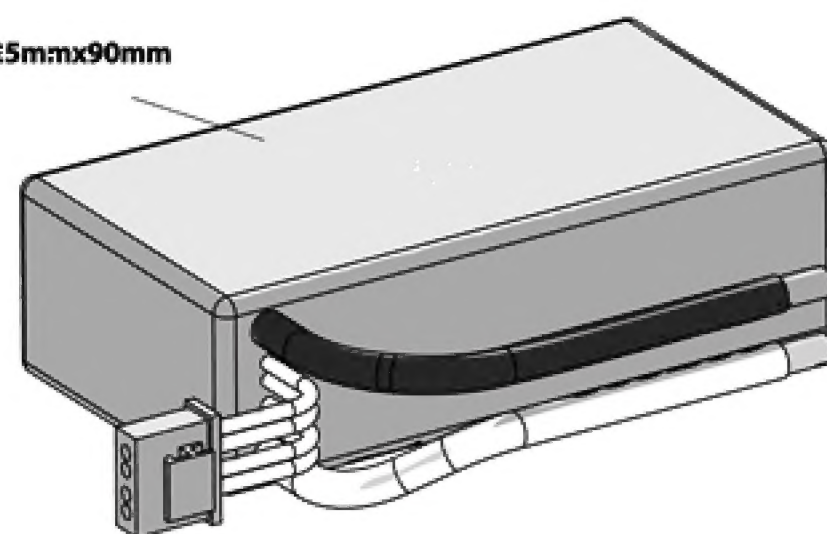
2x



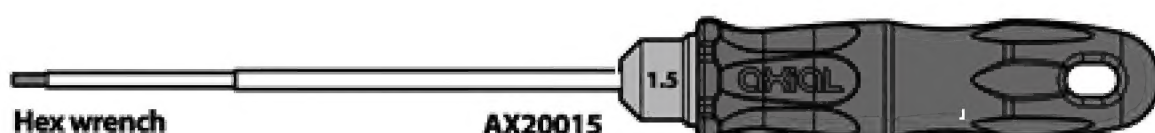
### Battery / Akku / Batterie

#### Battery / Akku / Batterie

Battery :  
Maximum size 30mmx25mmx90mm



### Tools Recommended / Benötigte Werkzeuge / Outillage



Hex wrench

AX20015



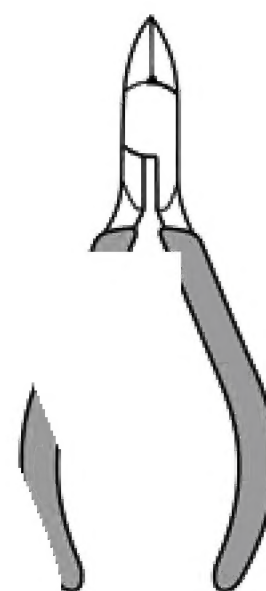
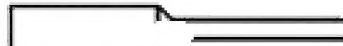
AX2



AX2

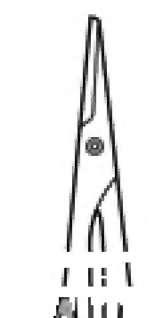


Socket driver



Side cutters

Side cutters



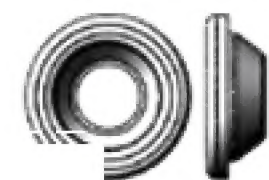
117

Model Cutter

Model Cutter

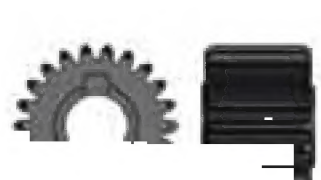







**AX30218**  
Spring 14x70mm 2.07 lbs/in - Super Soft

**AX30218**  
Spring 14x70mm 2.07 lbs/in - Super Soft




**AX30555**  
36T-48P Idler Gear

**AX30556**  
12T-48P Trans Gear




**AX30562A**  
XR10 Chassis Plate 1

**AX30558**  
XR10 Steering Servo Plate




**AX30163**  
Pin 2x10mm

**AX30163**  
Pin 2x10mm




**AX30163**  
Pin 2x10mm

**AX30163**  
Pin 2x10mm




**AX30163**  
Pin 2x10mm

**AX30163**  
Pin 2x10mm




**AX30218**  
Spring 14x70mm 2.07 lbs/in - Super Soft

**AX30218**  
Spring 14x70mm 2.07 lbs/in - Super Soft




**AX30450**  
Flange Pipe 3x4.5x5.5

**AX30450**  
Flange Pipe 3x4.5x5.5




**AX30438**  
Machined Piston

**AX30438**  
Machined Piston




**AX30560**  
XR10 Steering Plate

**AX30560**  
XR10 Steering Plate




**AX30559**  
XR10 Rear Axle Plate

**AX30559**  
XR10 Rear Axle Plate




**AX30450**  
Locking Hub

**AX30450**  
Locking Hub



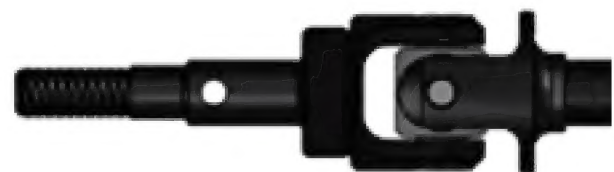
**AX30438**  
Machined Piston

**AX30438**  
Machined Piston




**AX30561**  
XR10 Chassis Shield Mounts

**AX30561**  
XR10 Chassis Shield Mounts




**AX30563**  
Universal Axle Shafts

**AX30563**  
Universal Axle Shafts




**AX30714**  
Welded Aluminum Pipe 7x73mm

**AX30714**  
Welded Aluminum Pipe 7x73mm




**AX30720**  
Threaded aluminum Pipe 7x94mm

**AX30720**  
Threaded aluminum Pipe 7x94mm




**AX30759**  
Straight Axle Shaft Rear 110mm

**AX30759**  
Straight Axle Shaft Rear 110mm




**AX30759**  
Straight Axle Shaft Rear 117mm

**AX30759**  
Straight Axle Shaft Rear 117mm




**AX30572**  
Pinion 48DP 14T

**AX30572**  
Pinion 48DP 14T



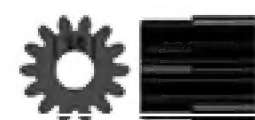
**AX30572**  
Pinion 48DP 14T

**AX30572**  
Pinion 48DP 14T



**AX30568**  
XR10 Steering Arm


**AX30568**  
XR10 Steering Arm




**AX30572**  
Pinion 48DP 14T


**AX30572**  
Pinion 48DP 14T



 **AXA1041**  
M2.5 Nylon Lock Nut **x4**


 **AXA1045**  
M4 Nylon Lock Nut **x4**

 **AXA1052**  
M3 Thin Nylon Locking Hex Nut **x12**


 **AXA1053**  
M3 Nylon Locking Hex Nut **x28**

 **AXA1040**  
M3 Thin Hex Nut **x4**


 **AXA1059**  
6mm Body Clips **x3**

 **AXA1069**  
Washer 2.7x6.7x0.5mm **x8**

 **AXA1070**  
Washer 3x6x0.5 mm **x4**

 **AXA1105**  
Cone Washer 3x7x2mm **x1**

 **AXA1184**  
O-Ring 7.5x1.5mm **x4**

 **AXA1202**  
O-Ring 3.5x2mm **x8**

 **AXA1213**  
Bearing 5x8x2.5mm **x8**

 **AXA1214**  
Flanged Bearing 5x8x2.5mm **x6**

 **AXA1218**  
Bearing 5x10x4mm **x2**


 **AXA1221**  
Bearing 5x11x4mm **x4**

 **AXA1230**  
Bearing 10x15x4mm **x2**

 **AXA1243**  
Bearing 15x21x4mm **x4**

 **AXA1331**  
Flanged Ball 3x5.8x7mm **x26**

 **AXA1356**  
Silicone Shock Bushing 7.5x8mm **x4**

 **AXA1391**  
E4 e-clip **x4**

 **AXA1418**  
6x6x3mm Spacer **x3**

 **AXA1424**  
7x35mm Post **x1**


 **AXA1426**  
7x45mm Post **x1**

 **AXA1633**  
M3x25 Turnbuckle **x2**




**AXA1638**  
M3x50 Turnbuckle **x1**

 **AXA180**  
M3x3mm Set Screw **x6**

 **AXA176**  
Screw Shaft M3x2.5x13mm **x3**

 **AXA186**  
M3x16mm Set Screw **x18**

 **AXA187**  
M3x20mm Set Screw **x2**

 **AXA084**  
M3x8mm Cap Head **x4**

 **AXA087**  
M3x16mm Cap Head **x4**

 **AXA094**  
M3x45mm Cap Head **x1**

 **AXA115**  
M3x10mm Hex Socket Button Head **x10**

 **AXA117**  
M3x15mm Hex Socket Button Head **x16**

 **AXA118**  
M3x18mm Hex Socket Button Head **x16**

 **AXA119**  
M3x20mm Hex Socket Button Head **x2**

 **AXA121**  
M3x30mm Hex Socket Button Head **x2**

 **AXA144**  
M3x8mm Hex Socket Flat Head **x1**

 **AXA147**  
M3x16mm Hex Socket Flat Head **x3**

 **AXA148**  
M3x18mm Hex Socket Flat Head **x4**

 **AXA149**  
M3x20mm Hex Socket Flat Head **x6**

 **AXA151**  
M3x30mm Hex Socket Flat Head **x2**

 **AXA433**  
M3x6mm Hex Socket Tapping Button Head **x4**

 **AXA434**  
M3x8mm Hex Socket Tapping Button Head **x9**

 **AXA435**  
M3x10mm Hex Socket Tapping Button Head **x6**

 **AXA437**  
M3x15mm Hex Socket Tapping Button Head **x5**

 **AXA412**  
M2.6x6mm Hex Socket Tapping Flat Head **x4**

 **AXA414**  
M2.6x10mm Hex Socket Tapping Flat Head **x2**

 **AXA418**  
M2.6x25mm Hex Socket Tapping Flat Head **x24**

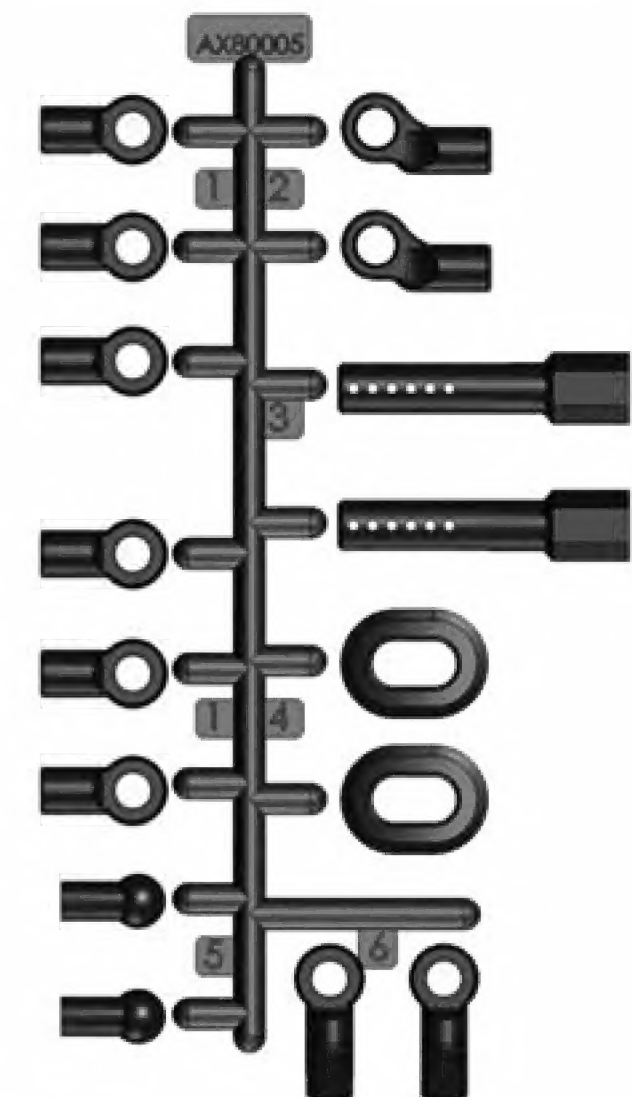
 **AXA464**  
M3x8mm Hex Socket Tapping Flat Head **x10**

 **AXA465**  
M3x10mm Hex Socket Tapping Flat Head **x7**

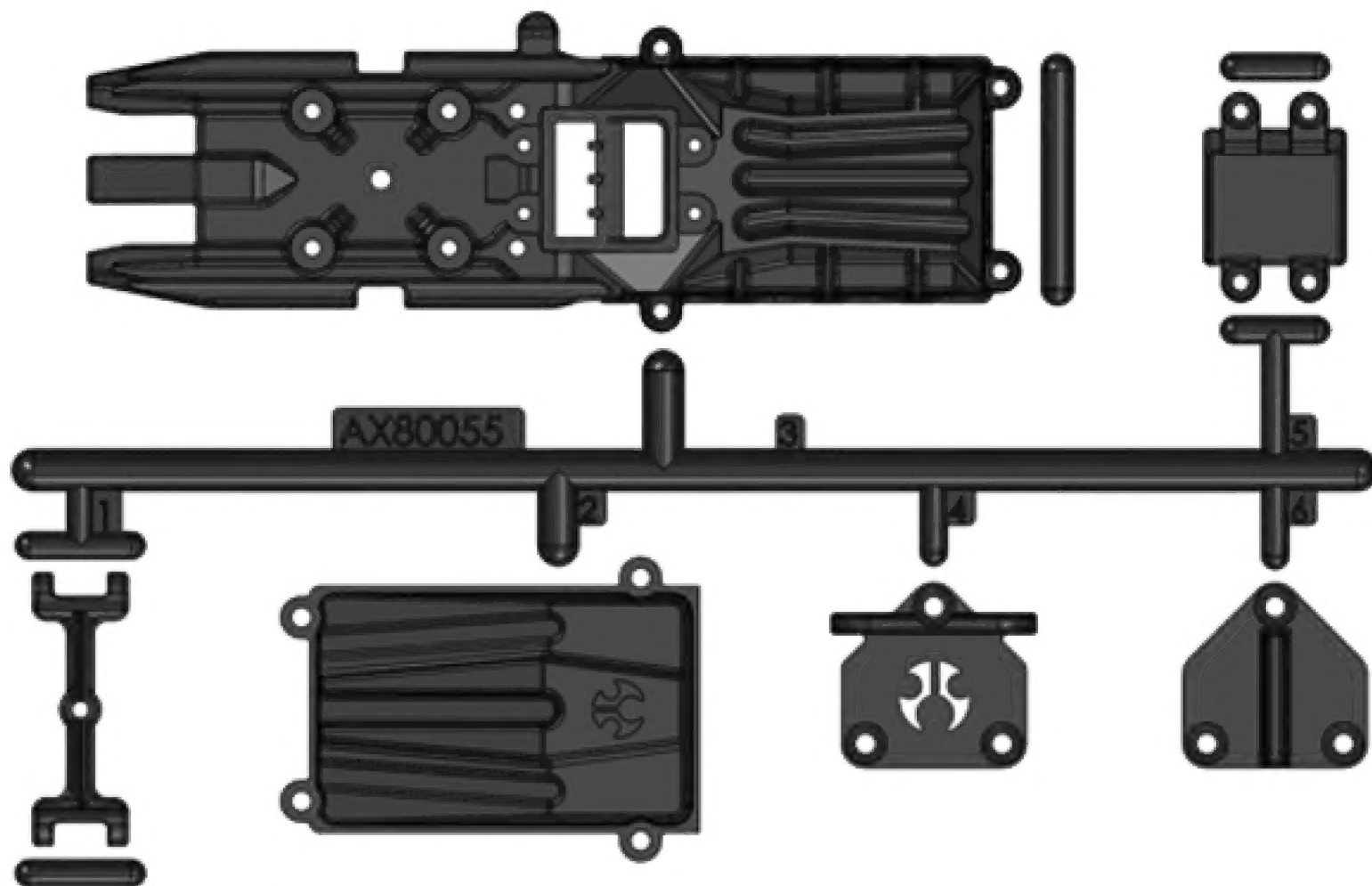
 **AXA466**  
M3x12mm Hex Socket Tapping Flat Head **x10**

 **AXA467**  
M3x15mm Hex Socket Tapping Flat Head **x4**





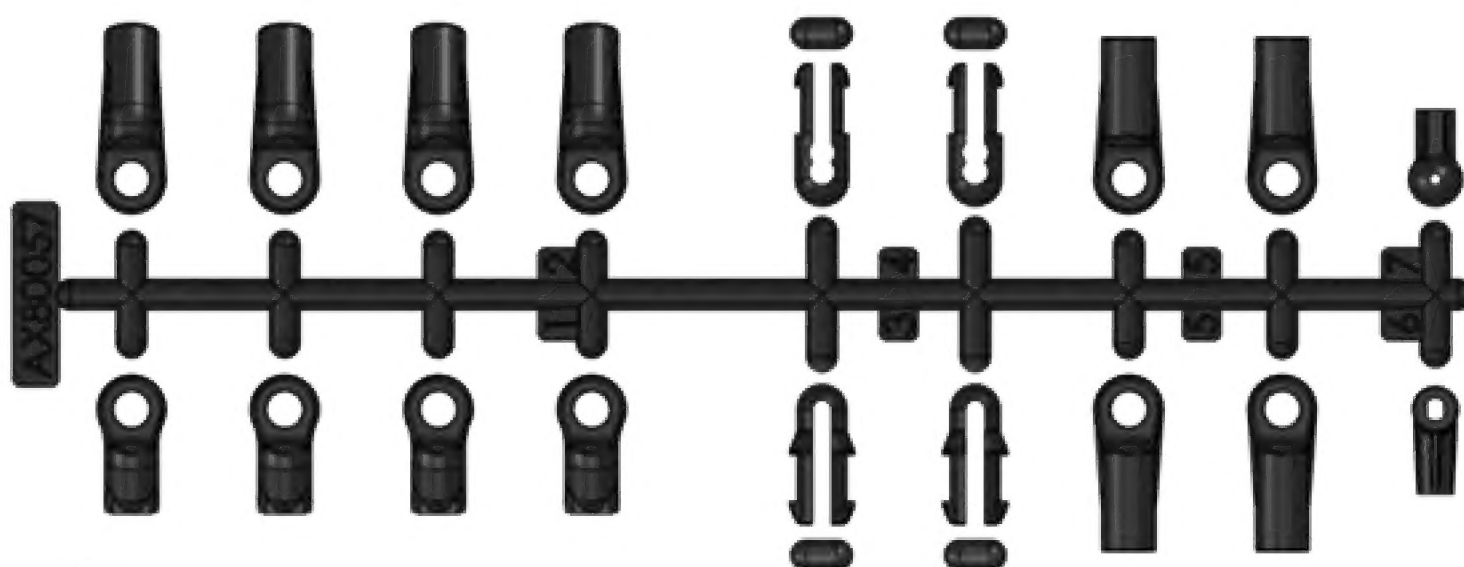
**AX80005**  
Linkage Set **x1**



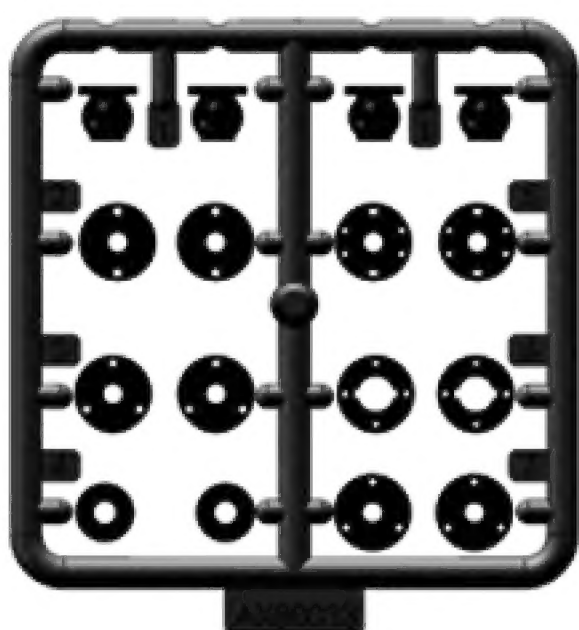
**AX80055**  
XR10 Electronics Tray Set **x1**



**AX80006**  
Servo Set **x1**



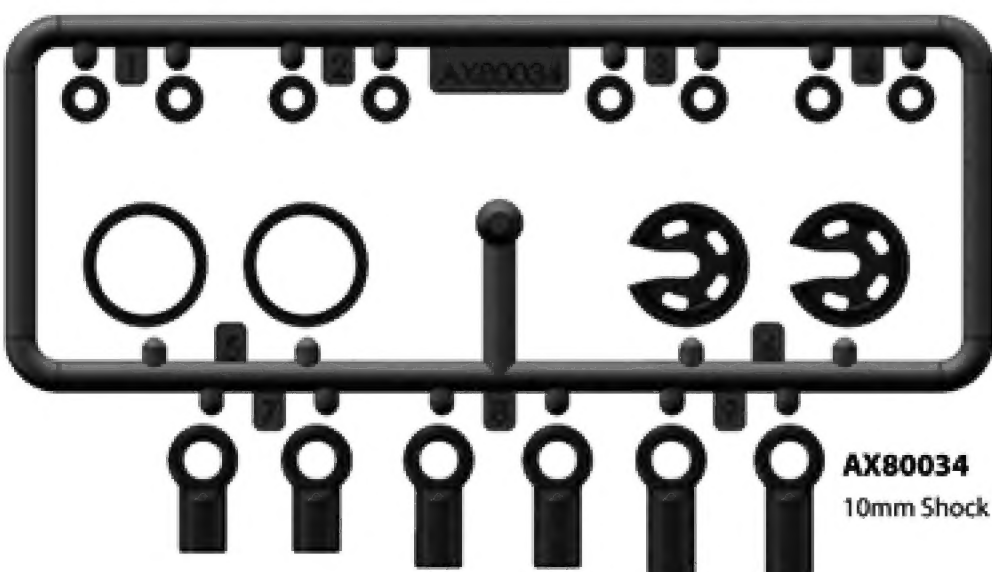
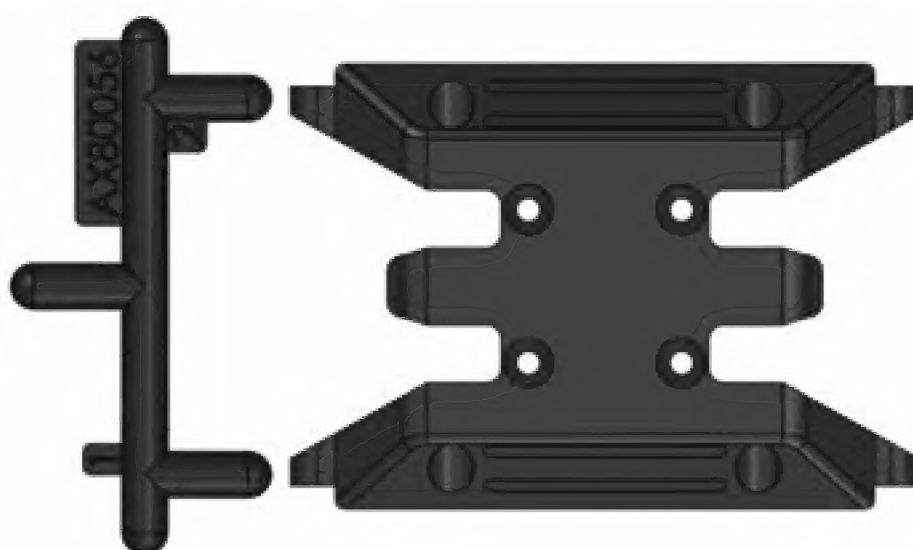
**AX80057**  
XR10 Linkage set **x2**



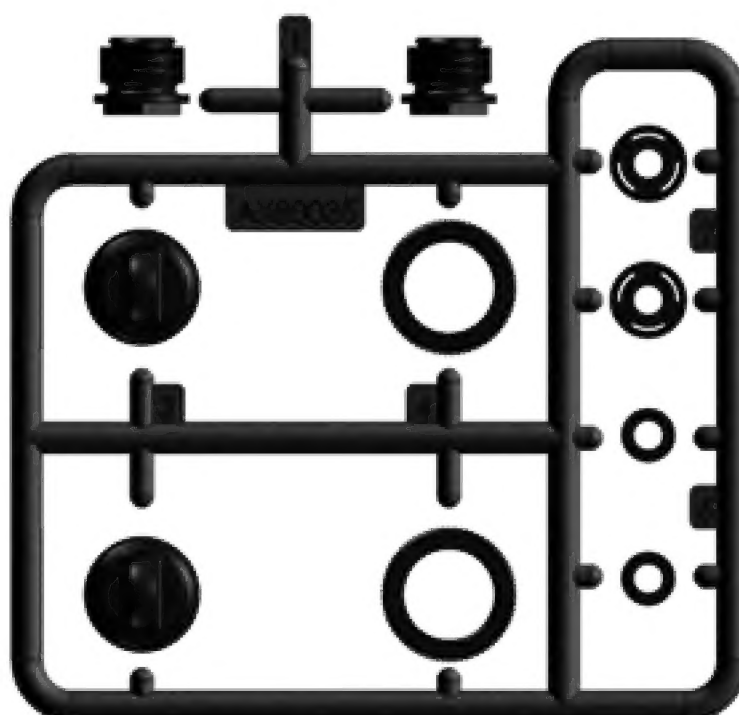
**AX80033**  
10mm Shock Set 1 **x2**



**AX80056**  
XR10 Chassis Skid Plate and Battery Mount Set **x1**



**AX80034**  
10mm Shock Set 2 **x2**



**AX80035**  
10mm Shock Caps Set **x2**



**AX80062**  
C Hub Carrier Set **x1**





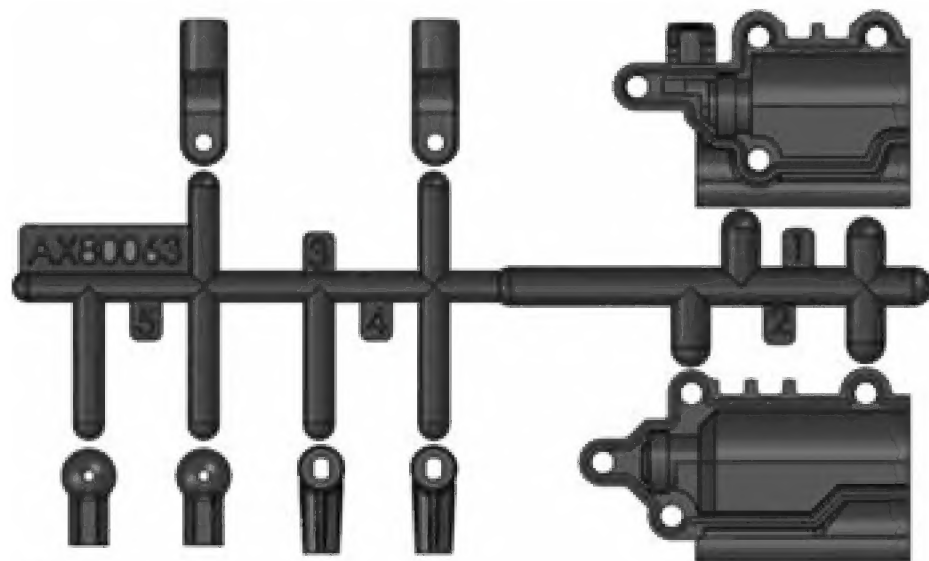
**AX80058**  
Hi-Clearance Links Set **x2**



**AX80059**  
Lower Link Slider Set **x2**



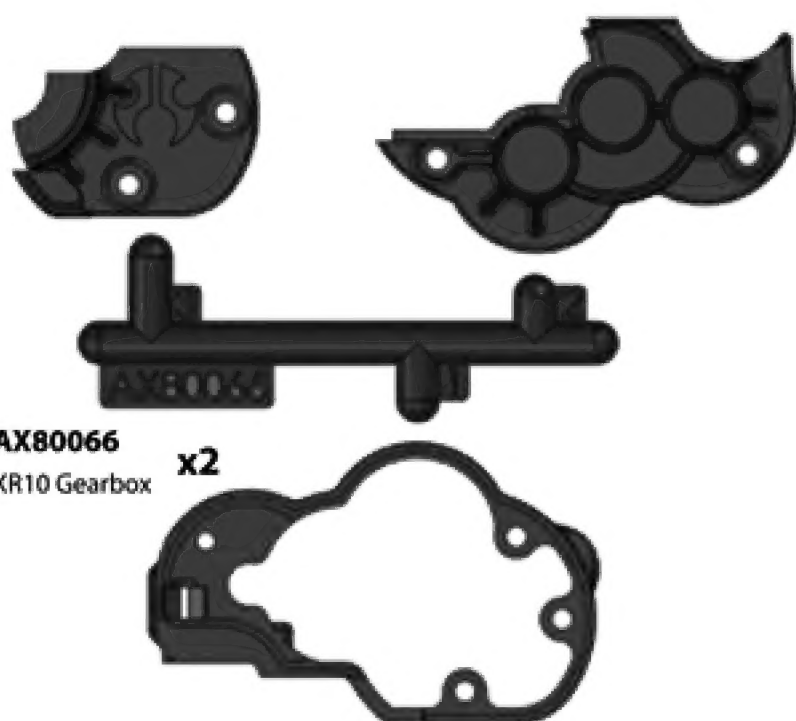
**AX80061**  
Steering Knuckles Plastic Set **x1**



**AX80063**  
XR10 Axle Case Cap Set **x1**



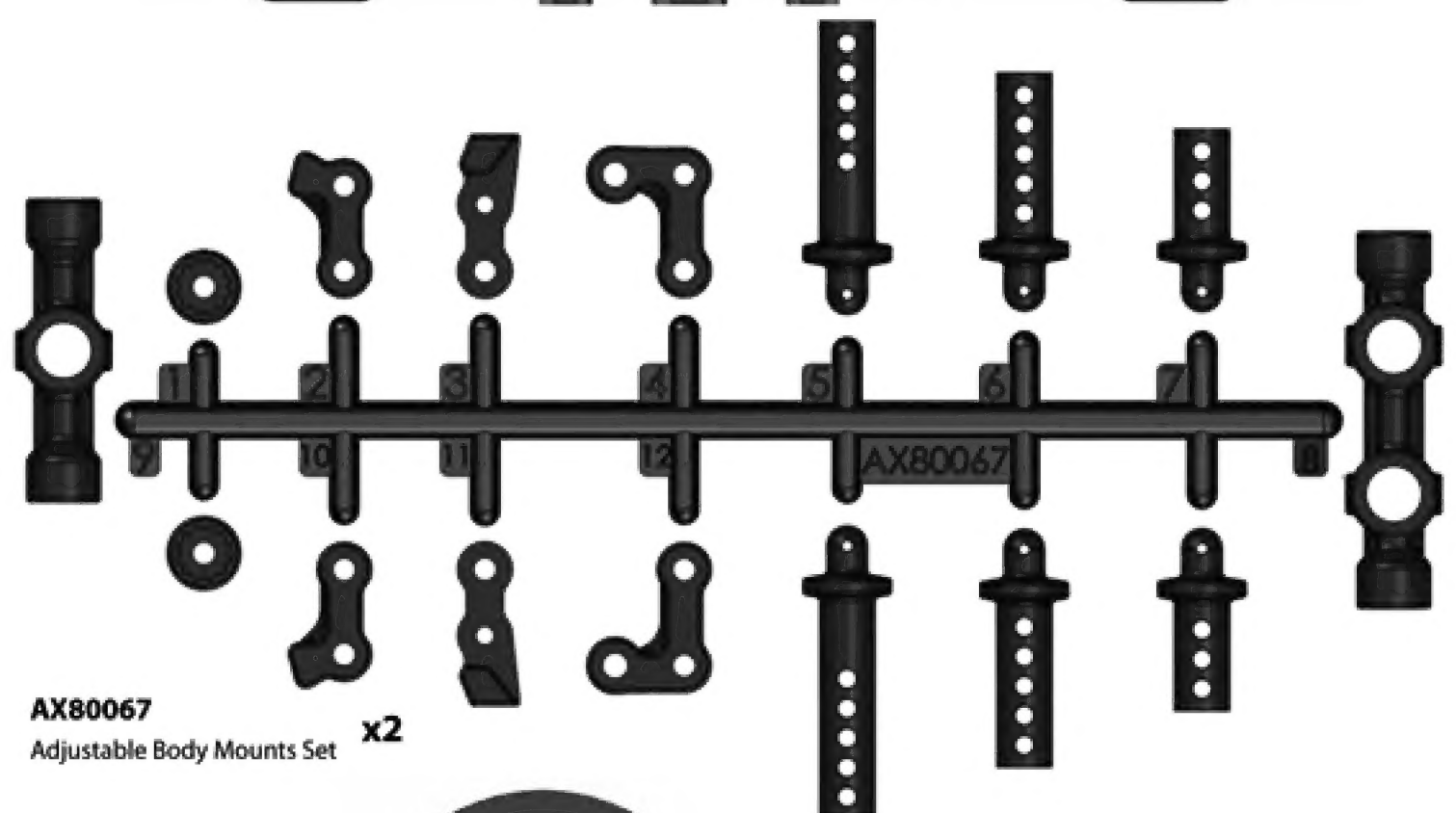
**AX80064**  
XR10 Straight Axle Adapter Set **x1**



**AX80066**  
XR10 Gearbox **x2**



**AX08061-01**  
2.2 VWS Beadlock Wheels **x4**



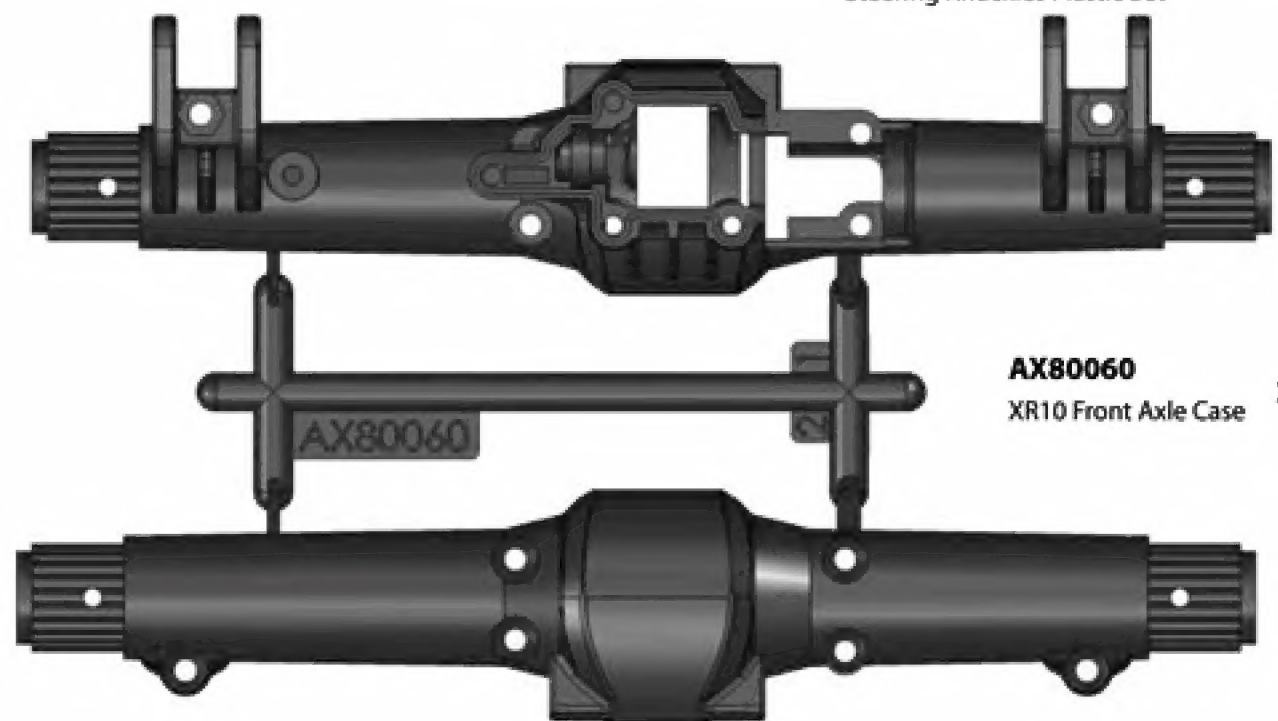
**AX80067**  
Adjustable Body Mounts Set **x2**



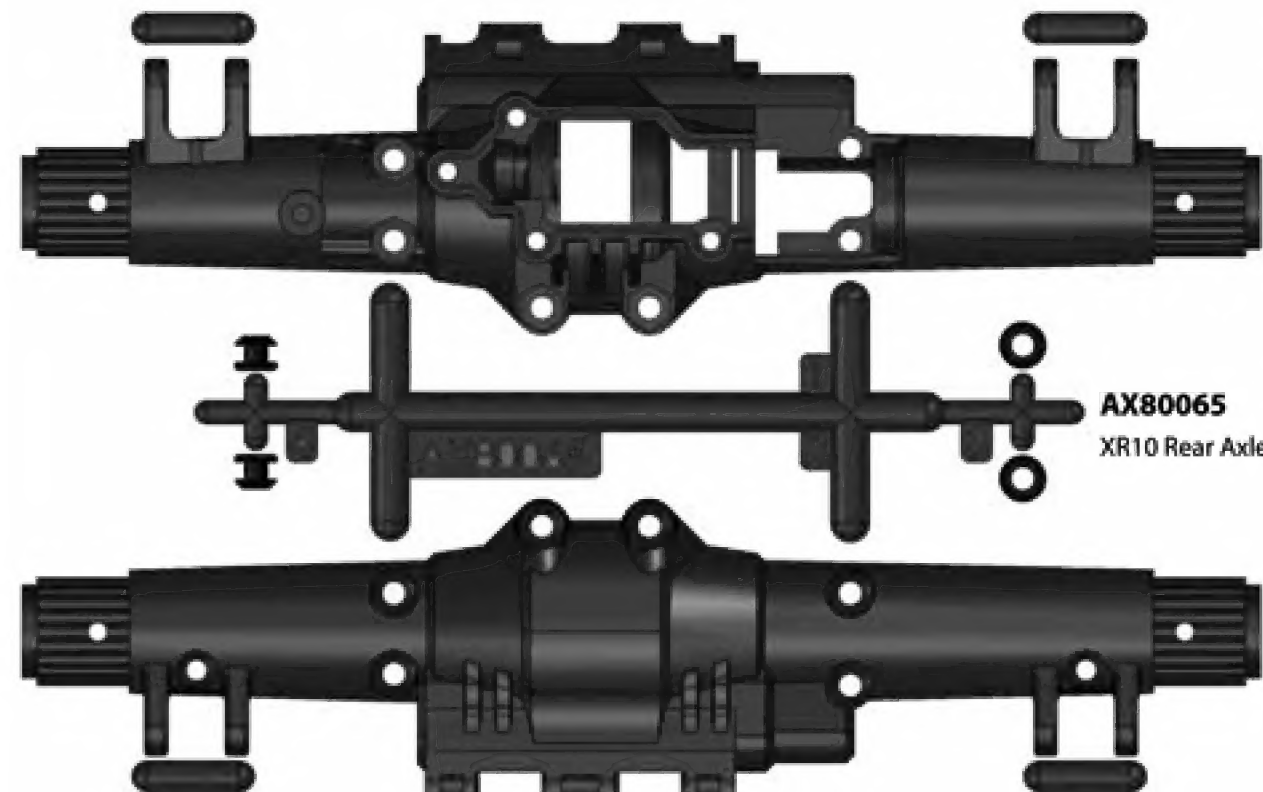
**AX08061-02**  
2.2 VWS Beadlock Wheel Back Lock **x4**



**AX08061-03**  
2.2 VWS Beadlock Wheels Weight Lock **x4**



**AX80060**  
XR10 Front Axle Case **x1**



**AX80065**  
XR10 Rear Axle Case **x1**



**A****Open Bag A**

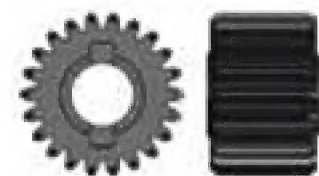
**AXA1214**  
Flanged Bearing 5x8x2.5mm **x2**



**AXA1391**  
E4 e-clip **x1**



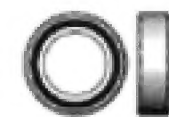
**AX30168**  
Pin 2x8mm **x1**



**AX30551**  
22T-48P Drive Gear **x1**



**AXA466**  
M3x12mm Hex Socket Tapping Flat Head **x1**



**AXA1213**  
Bearing 5x8x2.5mm **x1**



**AXA1391**  
E4 e-clip **x1**



**AX30168**  
Pin 2x8mm **x1**



**AX30555**  
36T-48P Idler Gear **x1**



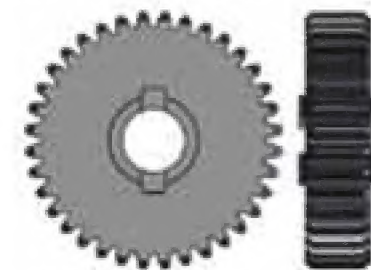
**AXA1214**  
Flanged Bearing 5x8x2.5mm **x1**



**AX30168**  
Pin 2x8mm **x1**



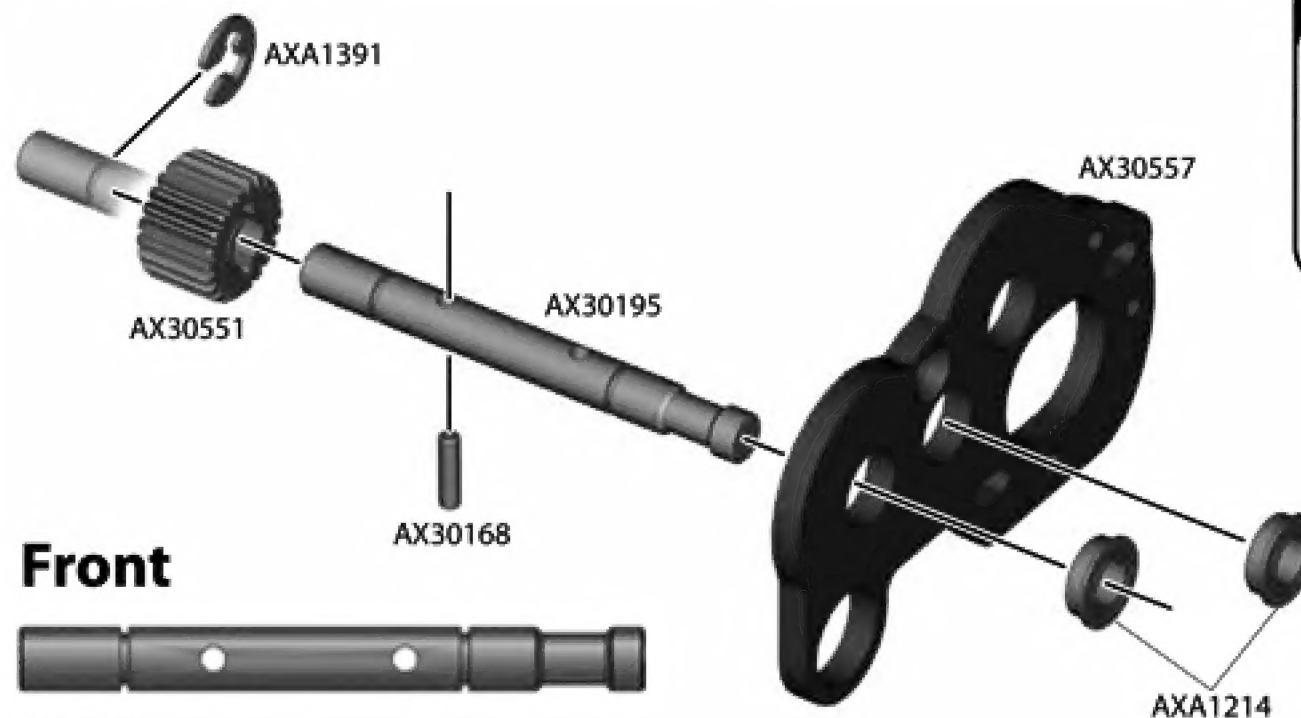
**AX30554**  
12T-48P Stepped Gear **x1**



**AX30555**  
36T-48P Idler Gear **x1**



**AX30556**  
12T-48P Transfer Gear **x1**

**1****Front**

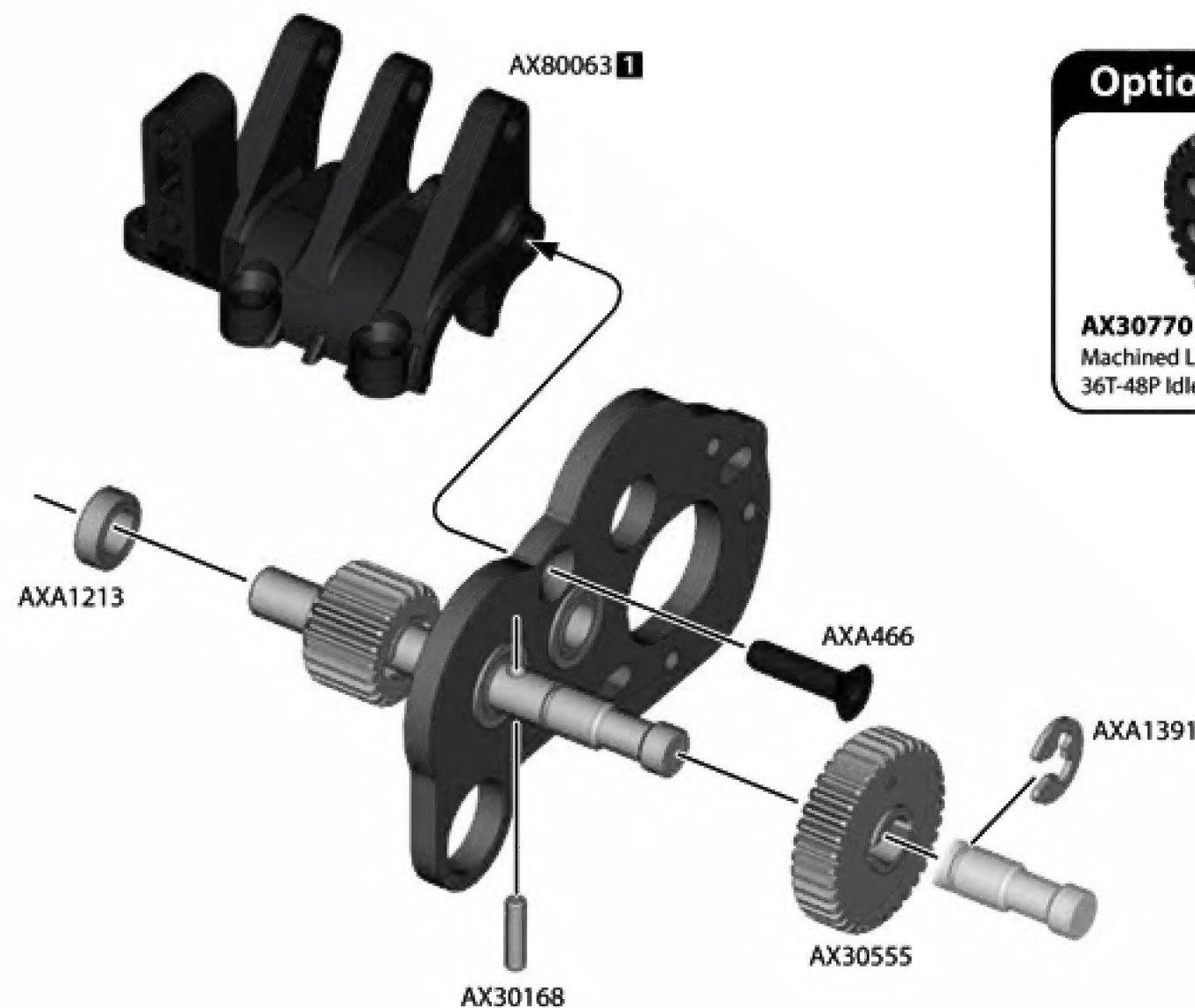
**AX30195**  
5x49mm Gear Shaft **x1**

**Option Parts**

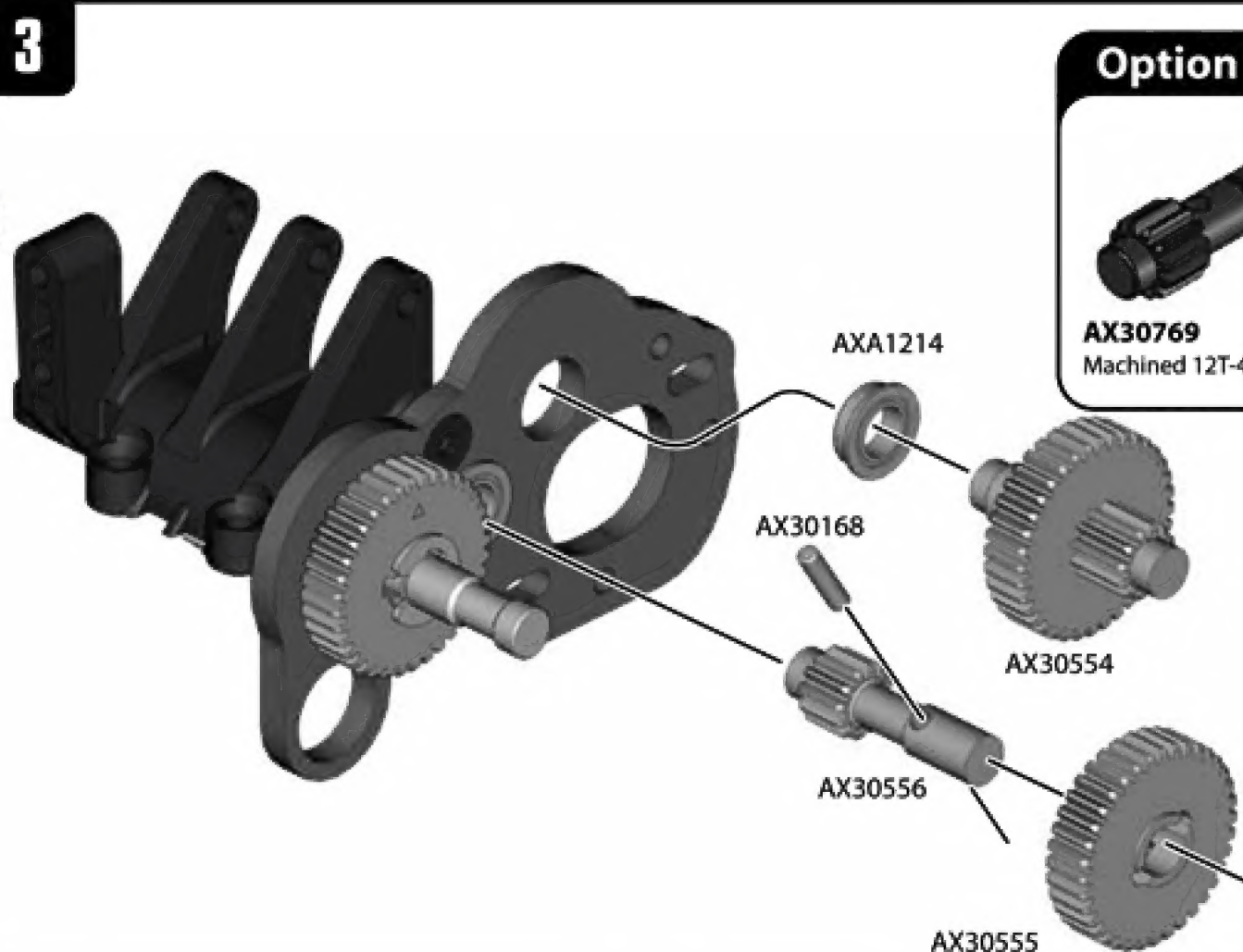
**AX30765**  
Titanium 5x49mm Gear Shaft

**Option Parts**

**AX30767**  
Machined 22T-48P Drive Gear

**2****Option Parts**

**AX30770**  
Machined Lightweight  
36T-48P Idler Gear

**3****Option Parts**

**AX30769**  
Machined 12T-48P Gear 1

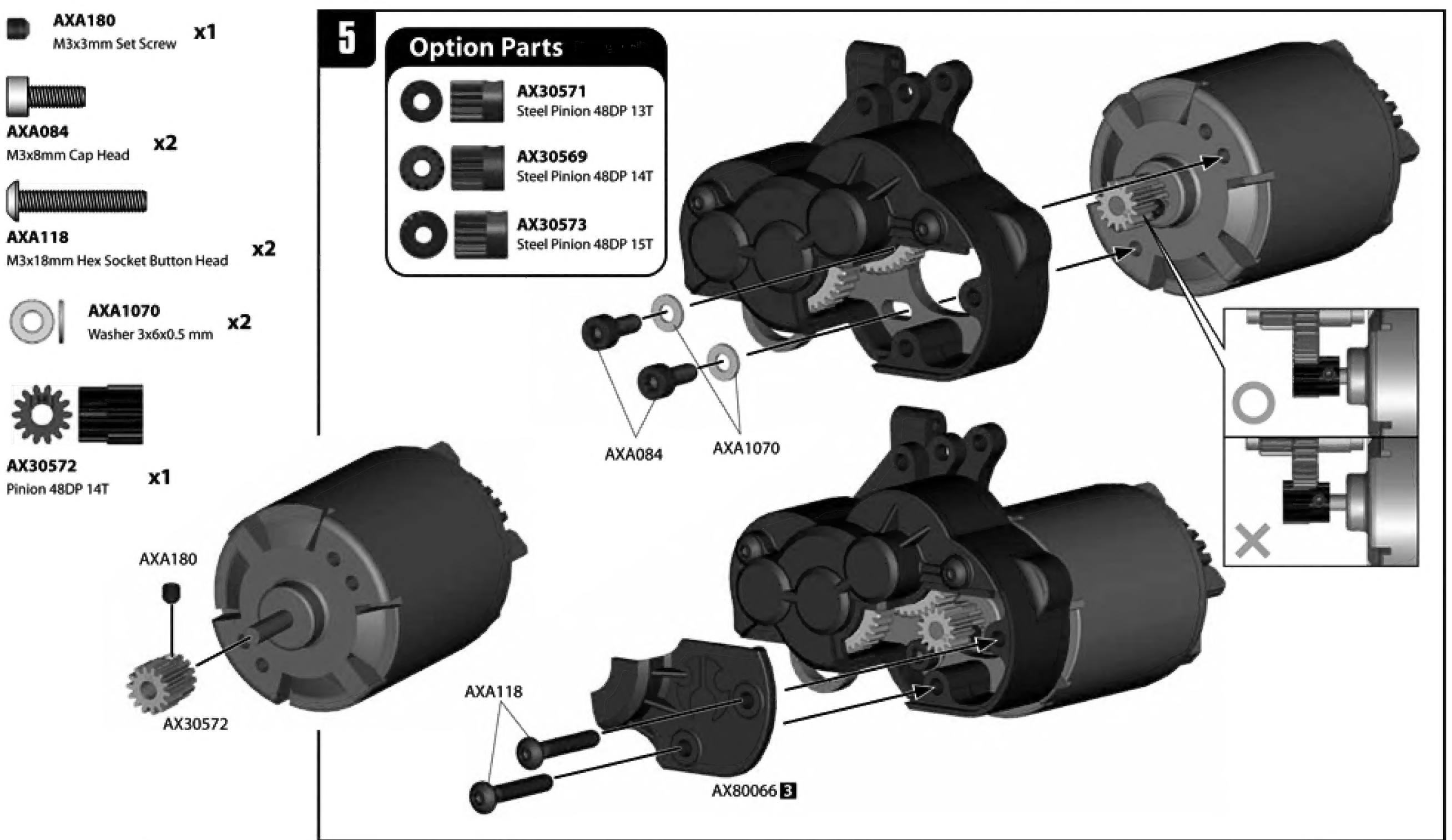
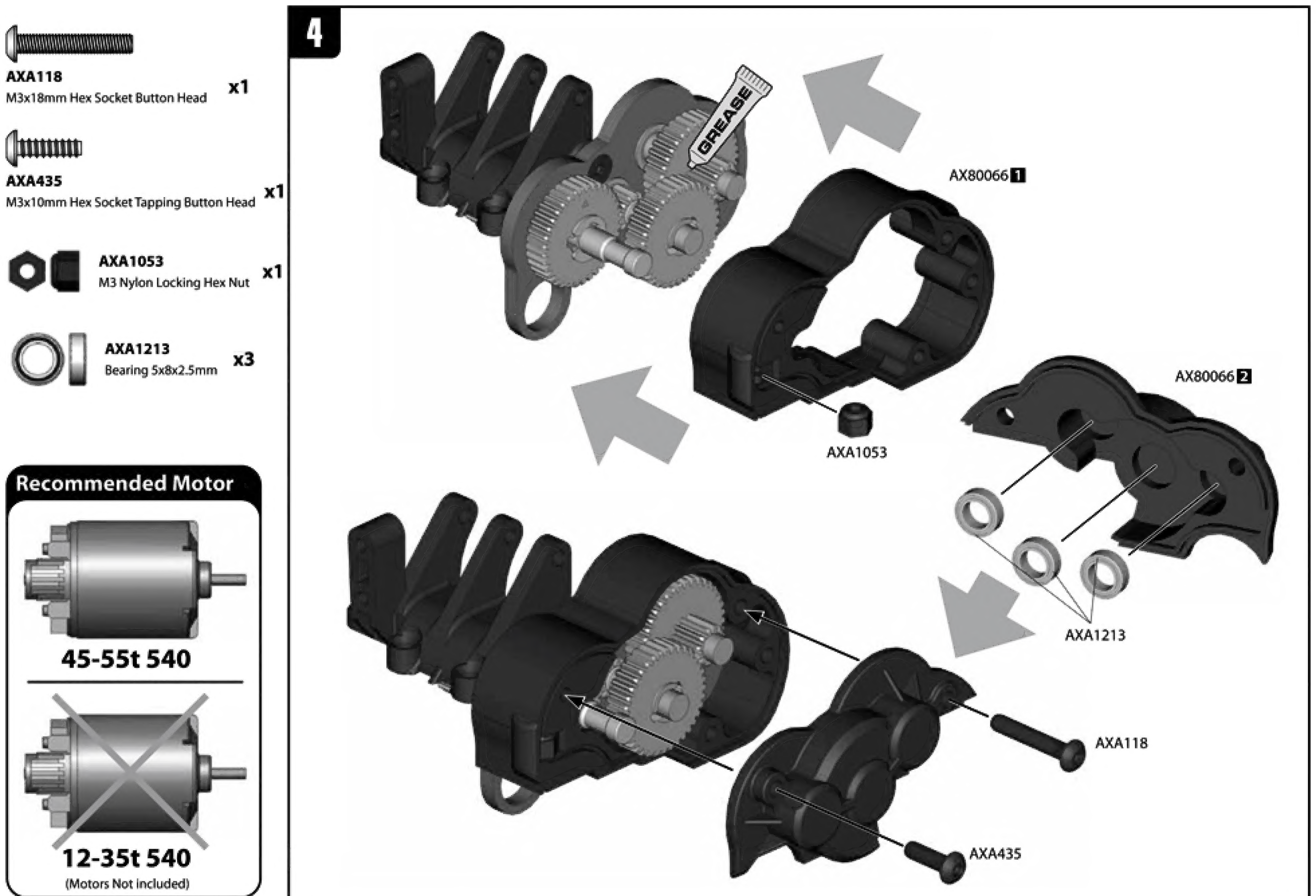
**Option Parts**

**AX30771**  
Machined 12T-48P Gear 2

**Option Parts**

**AX30770**  
Machined Lightweight  
36T-48P Idler Gear





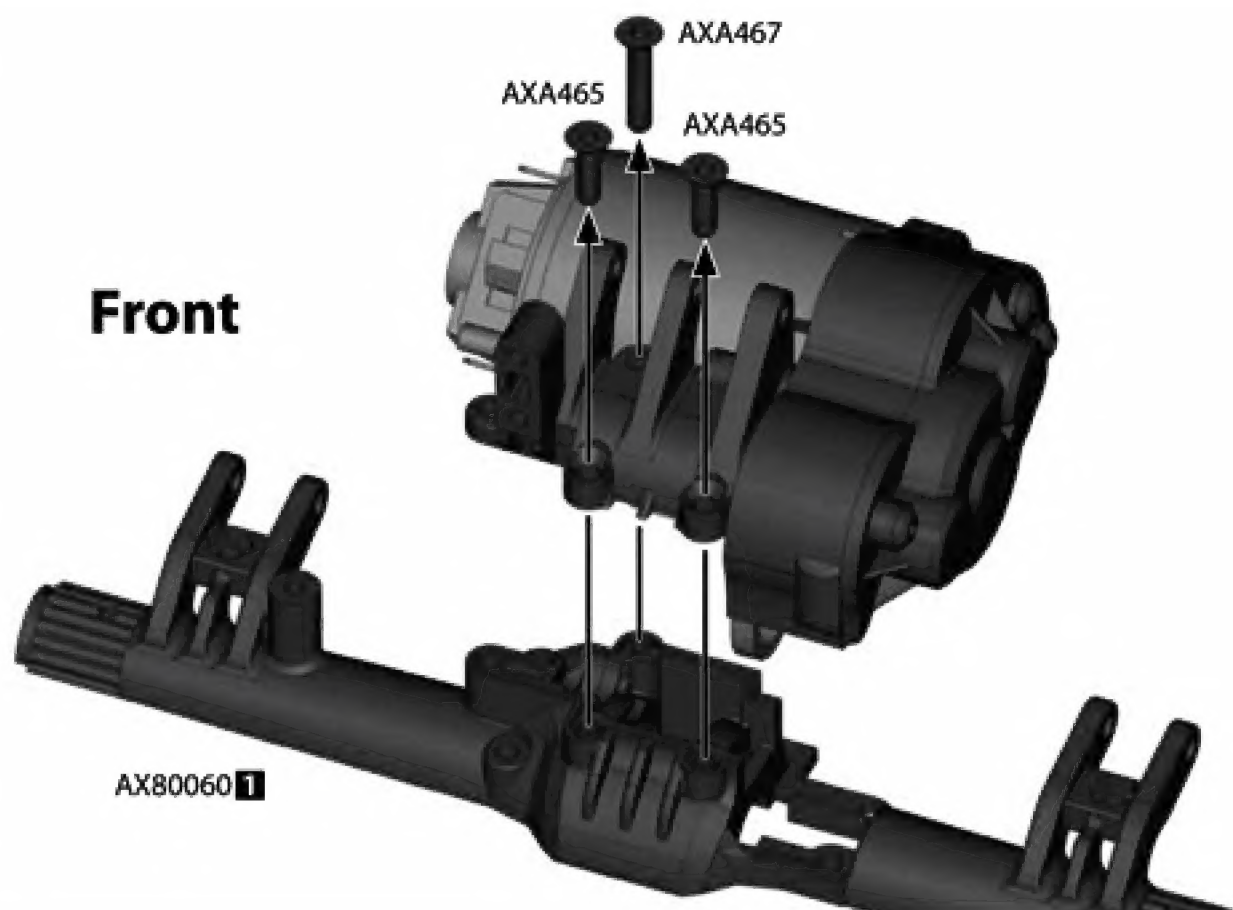




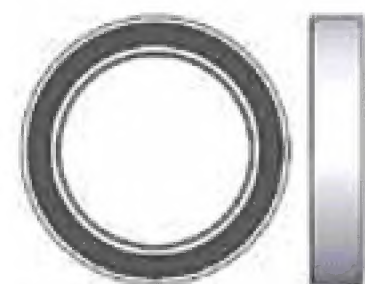
**AXA465**  
M3x10mm Hex Socket Tapping Flat Head **x2**



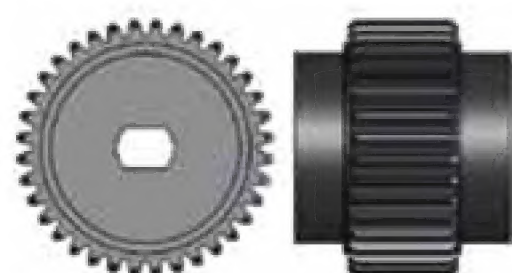
**AXA467**  
M3x15mm Hex Socket Tapping Flat Head **x1**



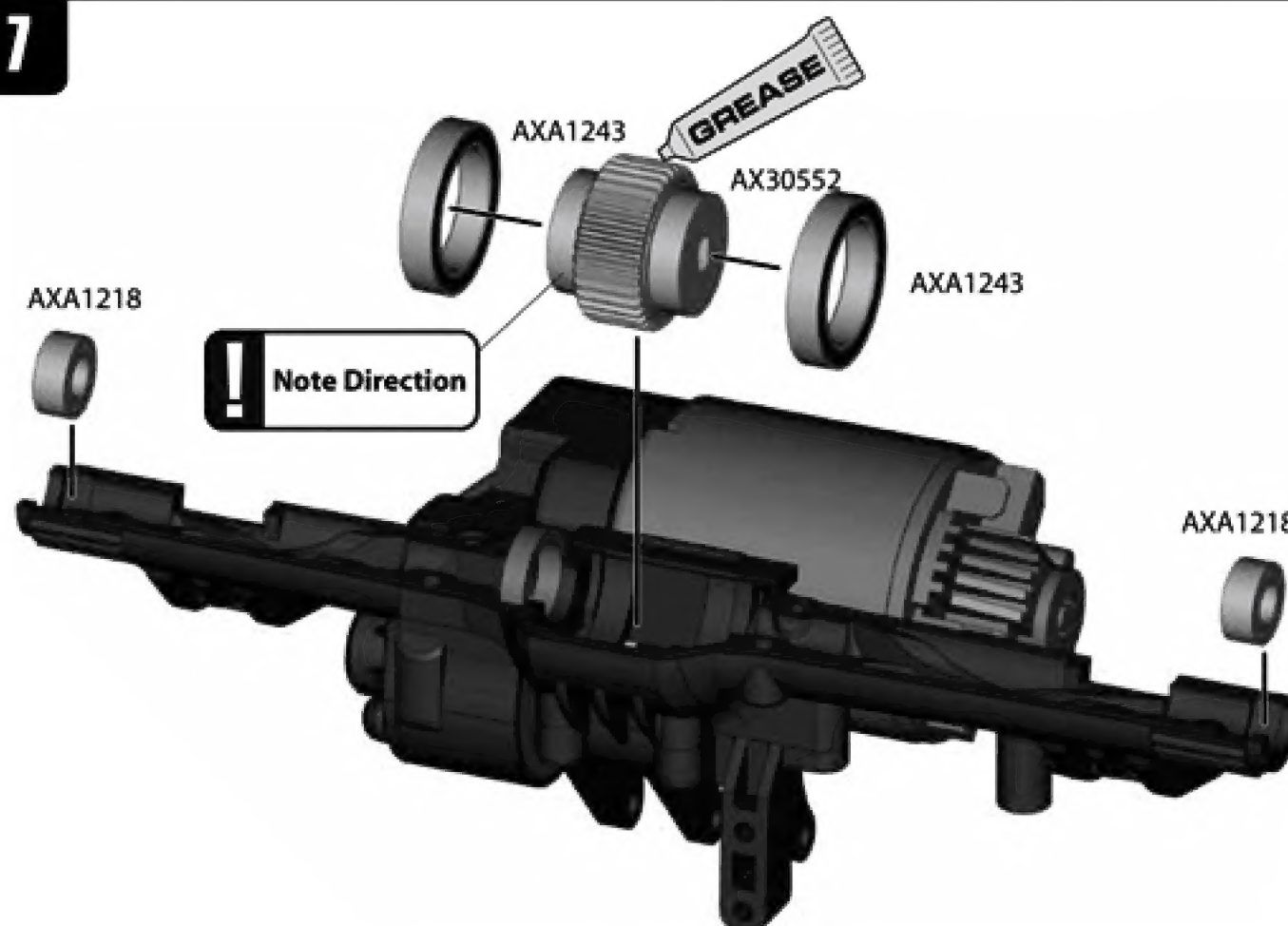
**AXA1218**  
Bearing 5x10x4mm **x2**



**AXA1243**  
Bearing 15x21x4mm **x2**



**AX30552**  
36T-48P Final Gear **x1**



### Option Parts



**AX30768**  
Machined Lightweight 36T-48P Final Gear



**AXA147**  
M3x16mm Hex Socket Flat Head **x1**



**AXA149**  
M3x20mm Hex Socket Flat Head **x1**



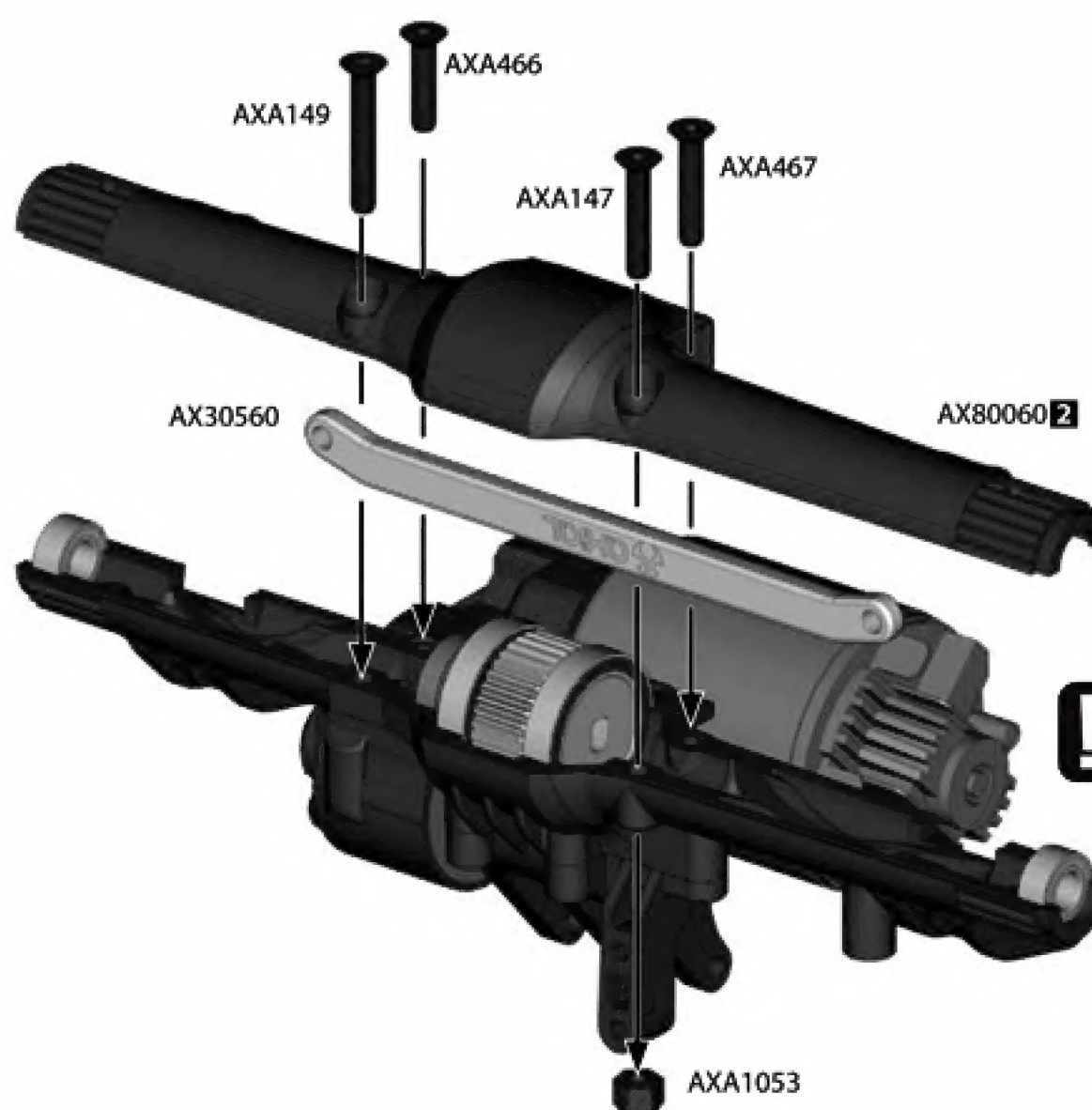
**AXA466**  
M3x12mm Hex Socket Tapping Flat Head **x1**



**AXA467**  
M3x15mm Hex Socket Tapping Flat Head **x1**



**AXA1053**  
M3 Nylon Locking Hex Nut **x1**





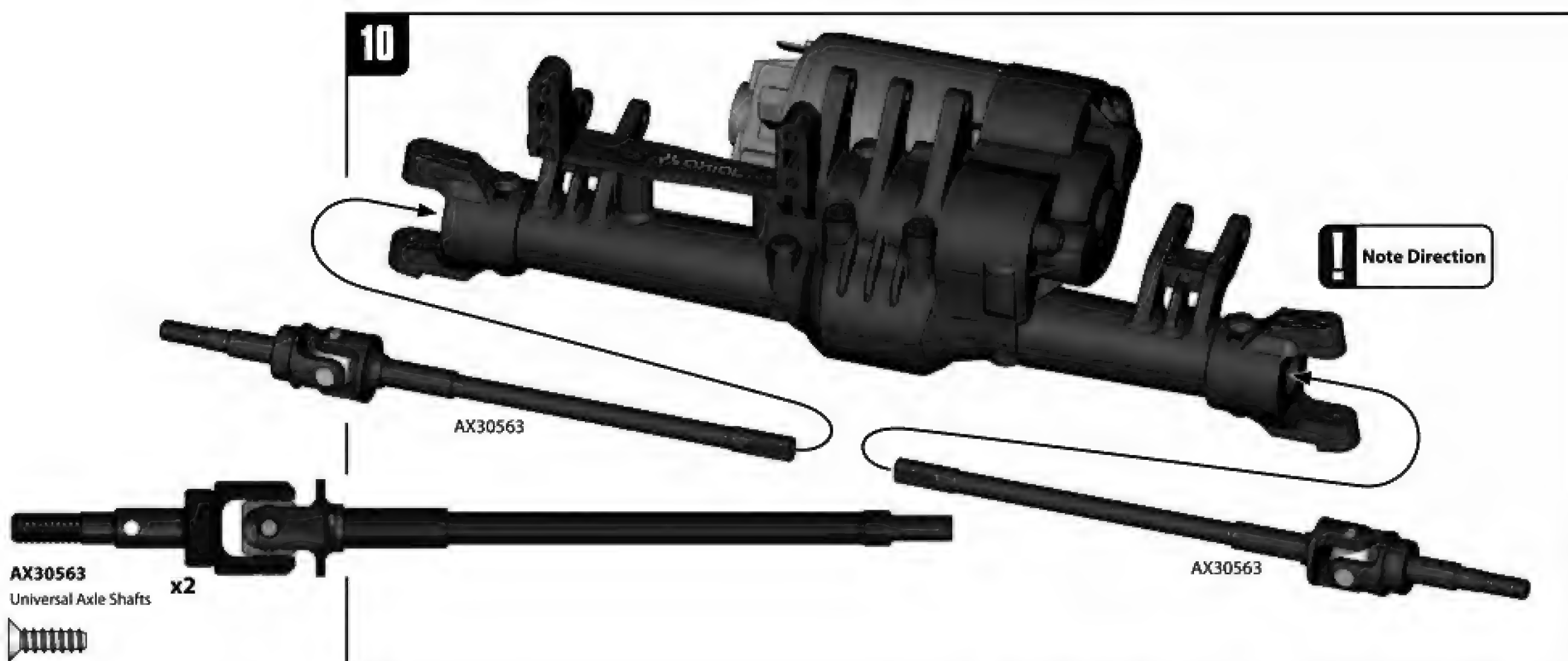
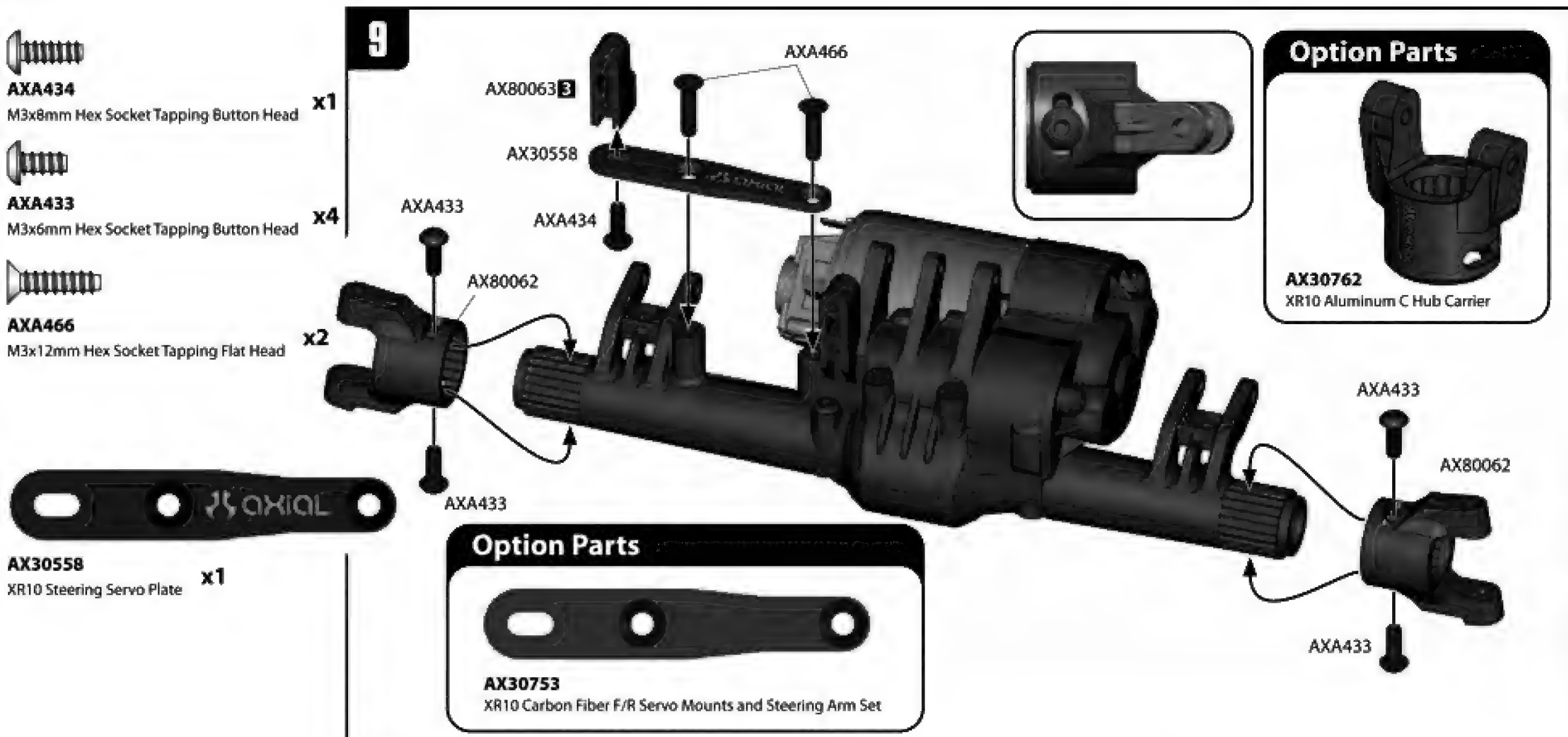




Diagram 12 illustrates the process of attaching the front suspension arms to the axle. The diagram shows the axle assembly with four suspension arms being attached. Callouts include AXA115 for the mounting pins and AX30450 for the bushings. A note box says "Note Direction" with an arrow pointing to the bushing. A legend at the bottom left shows a hex socket button head screw and a 4.5x5.5 screw, both with a quantity of x4.



13

AXA1331

AX800052

AXA1633

AX80005

AX800052

AXA1633

AXA1331

11.5mm

AXA117

AXA117

AXA115

AXA115

THREAD  
LOCK

THREAD  
LOCK





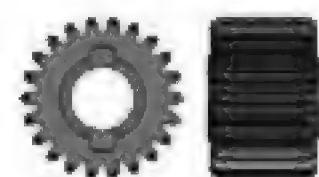
**AXA1214**  
Flanged Bearing 5x8x2.5mm **x2**



**AXA1391**  
E4 e-clip **x1**



**AX30168**  
Pin 2x8mm **x1**



**AX30551**  
22T-48P Drive Gear **x1**



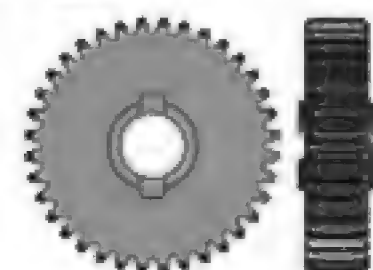
**AXA466**  
M3x12mm Hex Socket Tapping Flat Head **x1**



**AXA1213**  
Bearing 5x8x2.5mm **x1**



**AXA1391**  
E4 e-clip **x1**



**AX30555**  
36T-48P Idler Gear **x1**



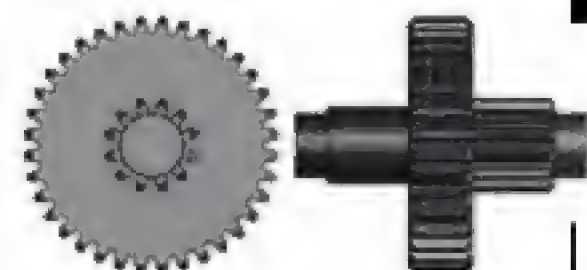
**AX30168**  
Pin 2x8mm **x1**



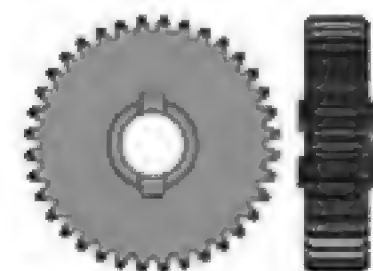
**AXA1214**  
Flanged Bearing 5x8x2.5mm **x1**



**AX30168**  
Pin 2x8mm **x1**



**AX30554**  
12T-48P Stepped Gear **x1**



**AX30555**  
36T-48P Idler Gear **x1**



**AX30556**  
12T-48P Transfer Gear **x1**

15

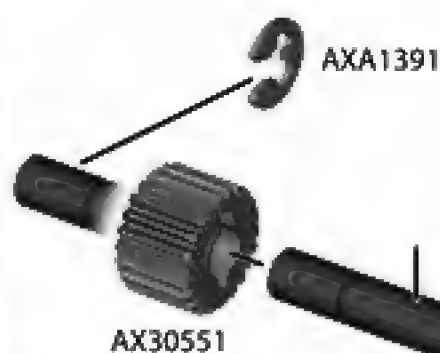
## Option Parts



**AX30767**  
Machined 22T-48P Drive Gear

## Rear

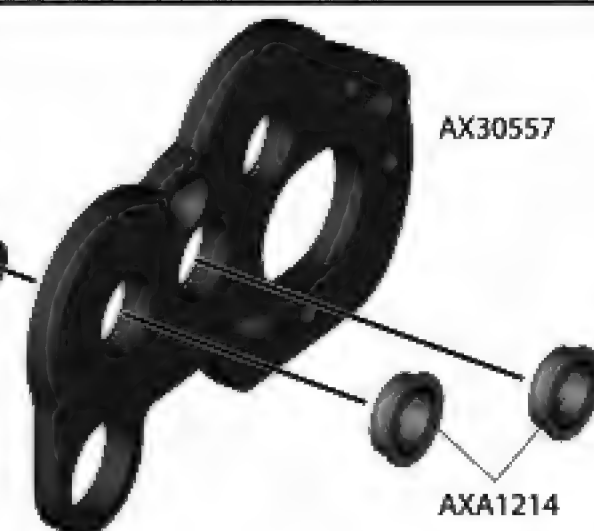
**AX30196**  
5x58mm Gear Shaft **x1**



## Option Parts



**AX30766**  
Titanium 5x58mm Gear Shaft

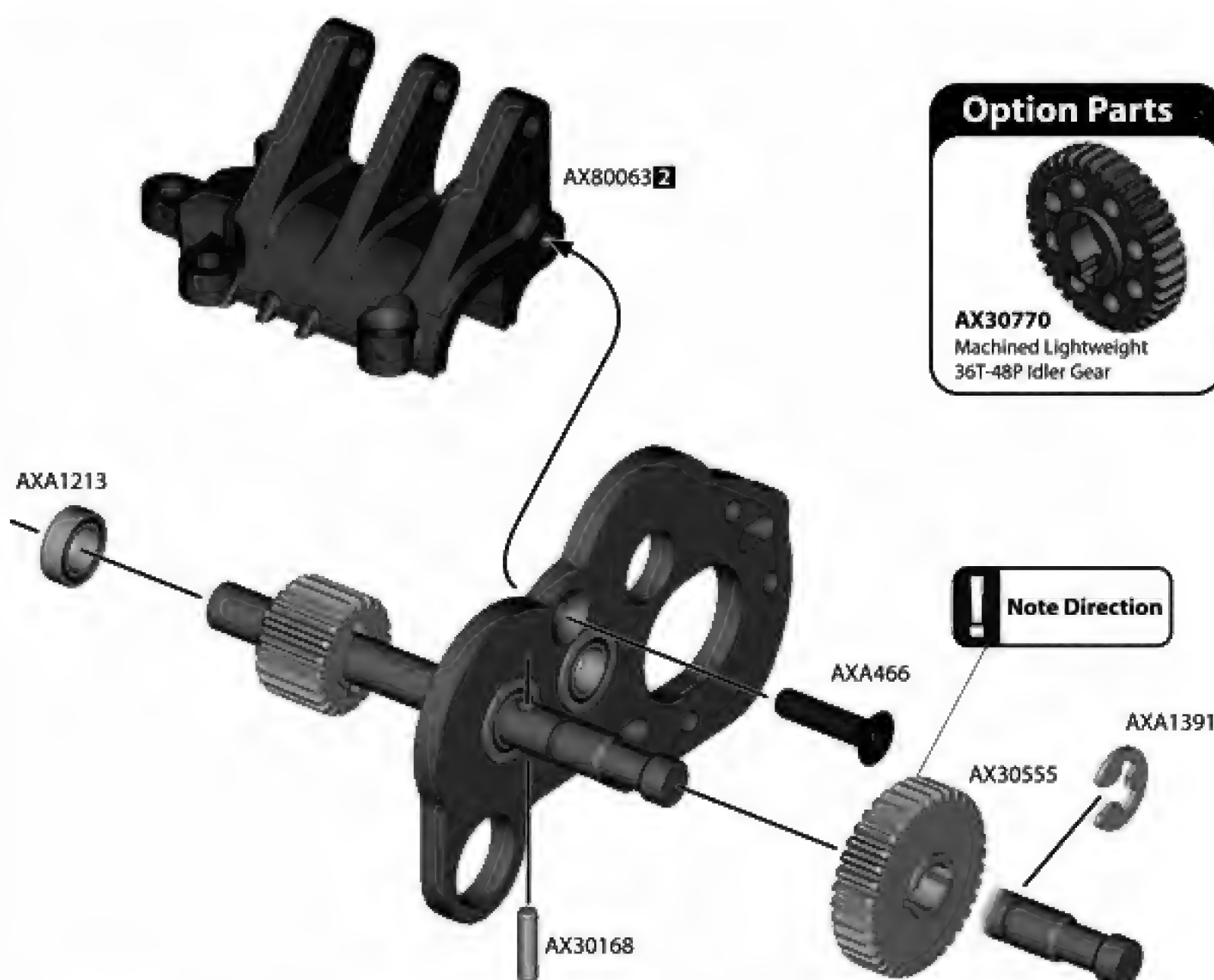


16

## Option Parts



**AX30770**  
Machined Lightweight  
36T-48P Idler Gear

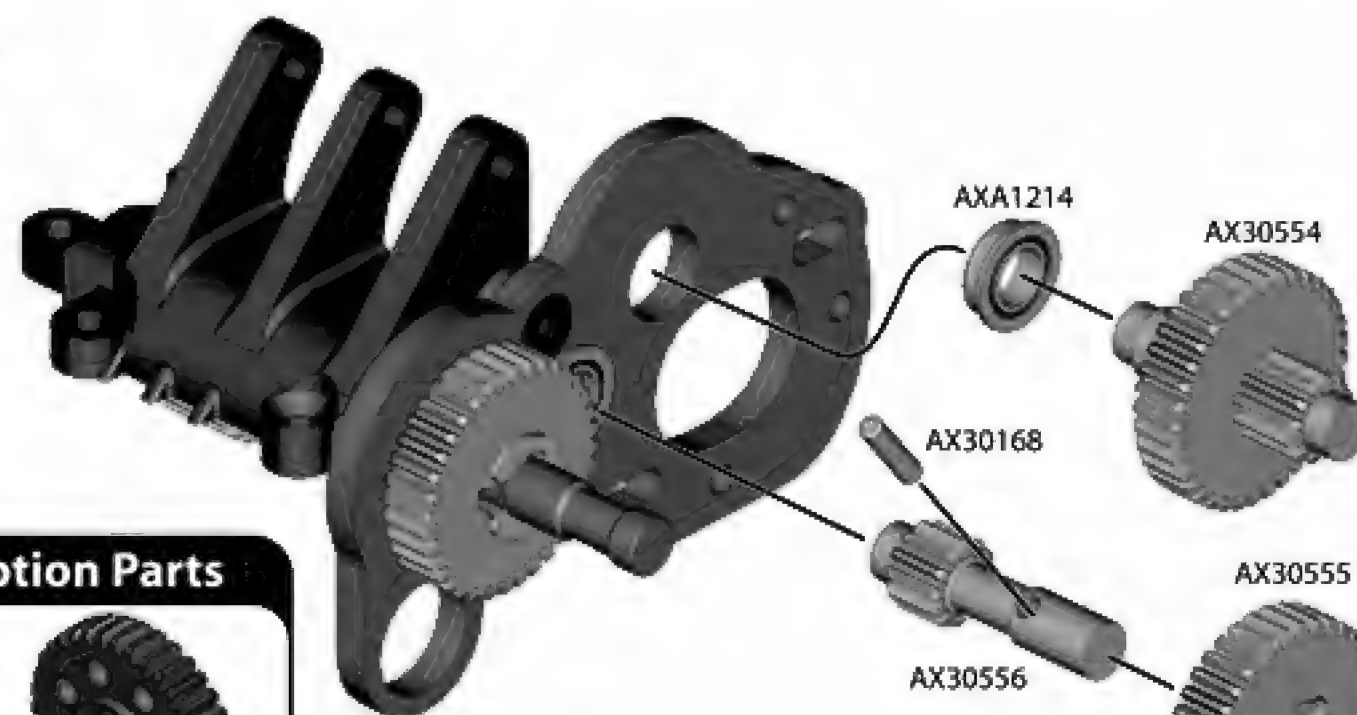


17

## Option Parts



**AX30770**  
Machined Lightweight  
36T-48P Idler Gear



## Option Parts



**AX30769**  
Machined 12T-48P Gear 1

## Option Parts



**AX30771**  
Machined 12T-48P Gear 2





**AXA118**  
M3x18mm Hex Socket Button Head **x1**



**AXA435**  
M3x10mm Hex Socket Tapping Button Head **x1**



**AXA1053**  
M3 Nylon Locking Hex Nut **x1**



**AXA1213**  
Bearing 5x8x2.5mm **x3**

### Recommended Motor



**45-55t 540**



**12-35t 540**

(Motors Not Included)

**AXA180**  
M3x3mm Set Screw **x1**



**AXA084**  
M3x8mm Cap Head **x2**



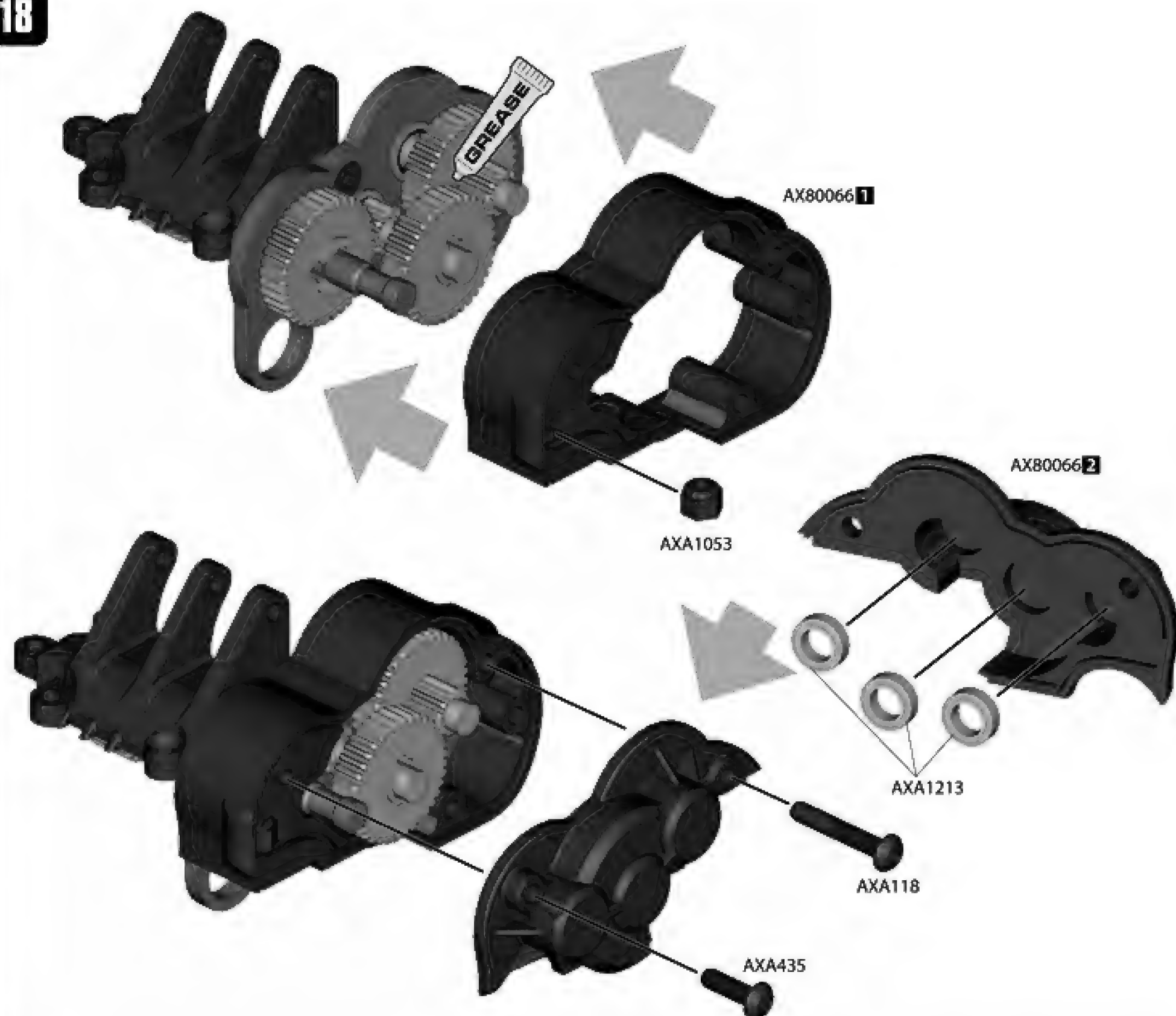
**AXA118**  
M3x18mm Hex Socket Button Head **x2**

**AXA1070**  
Washer 3x6x0.5 mm **x2**

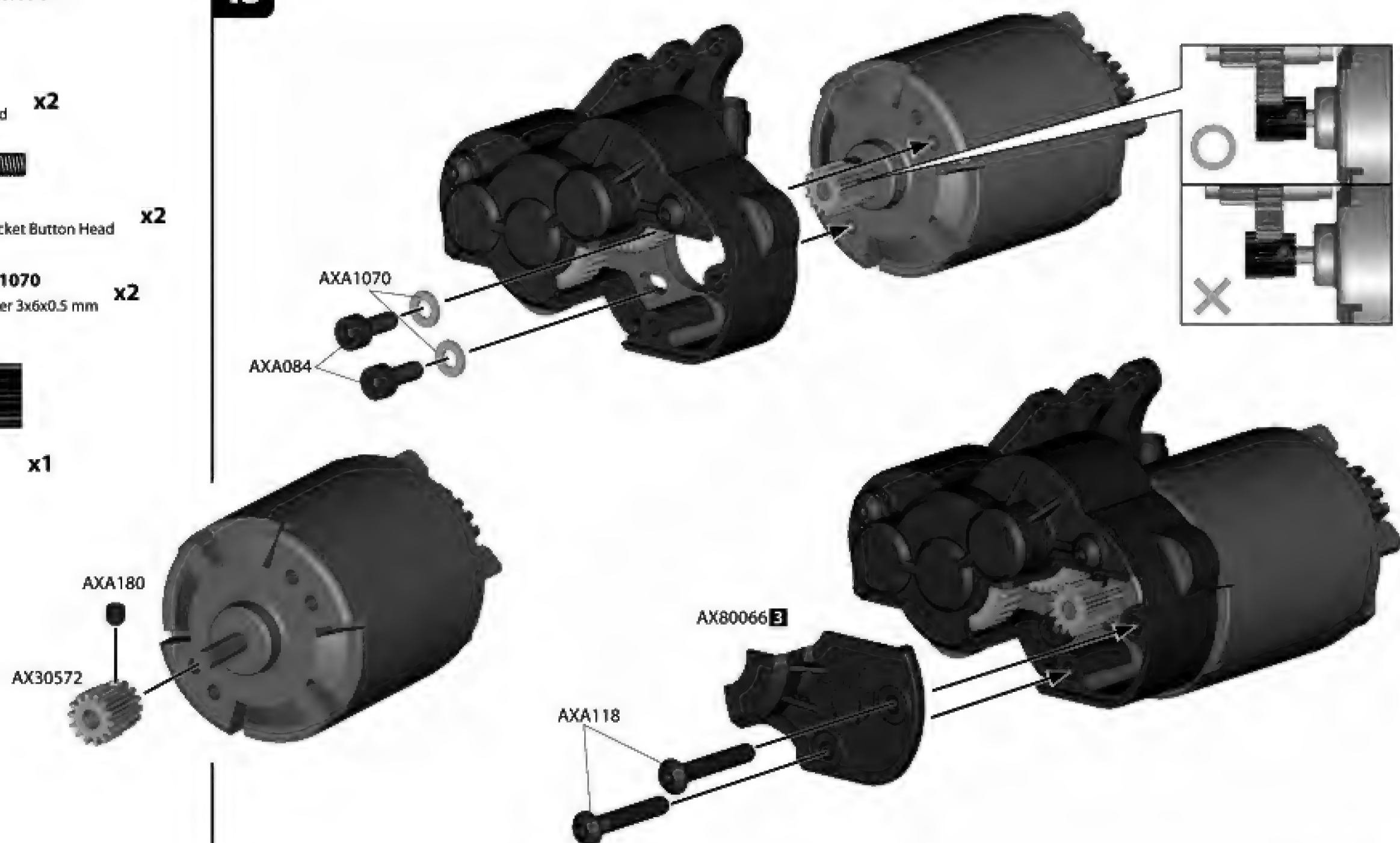


**AX30572**  
Pinion 48DP 14T **x1**

**18**



**19**







Open Bag D

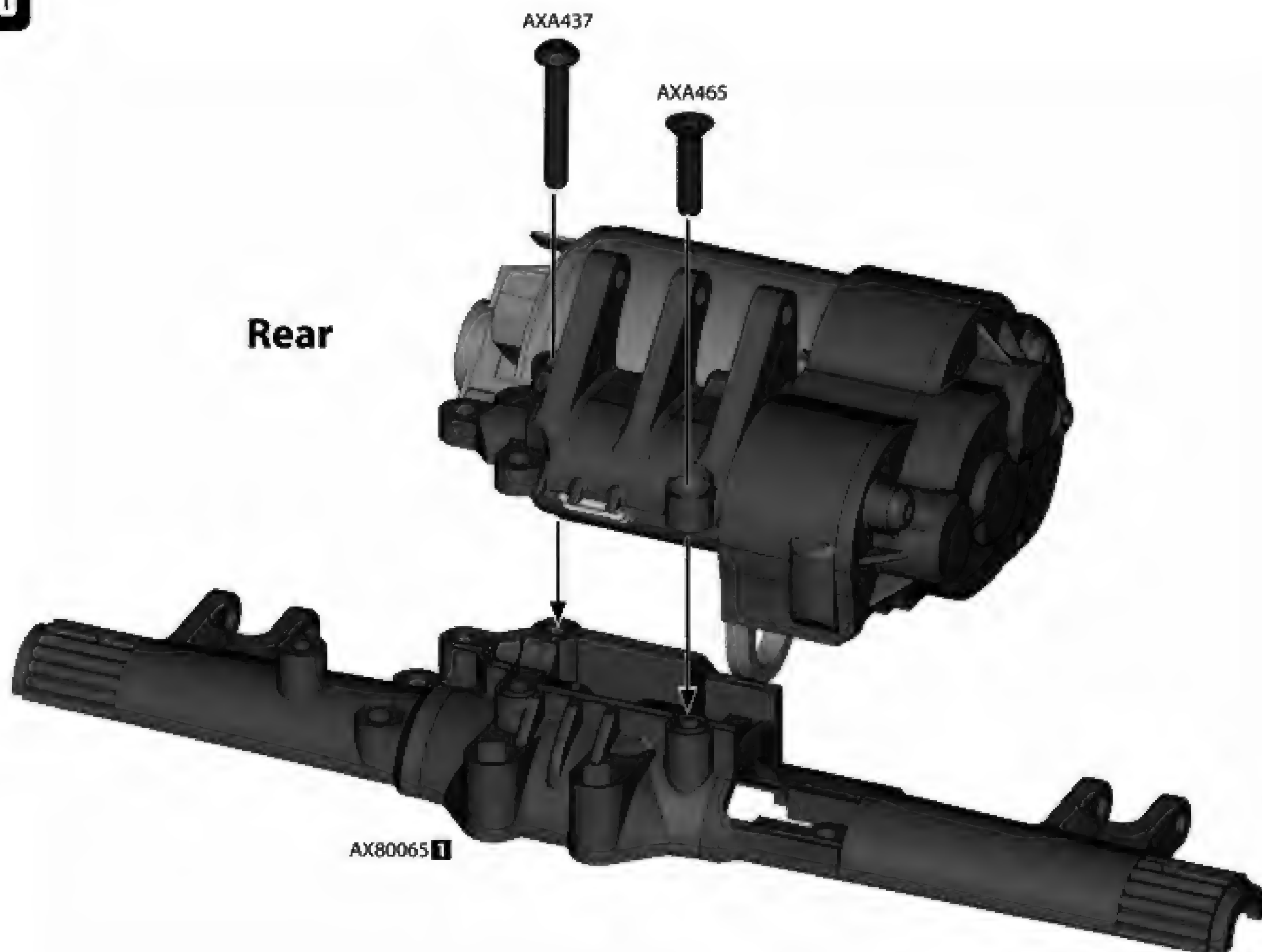
20



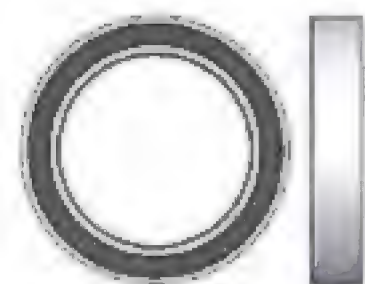
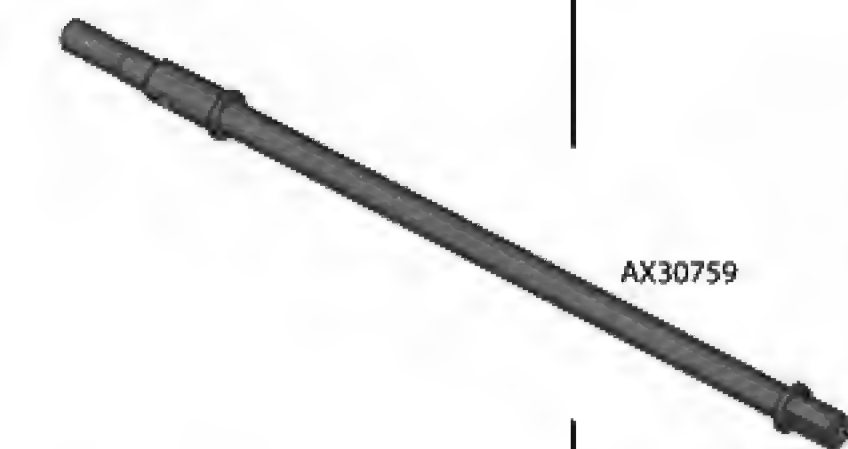
**AXA437**  
M3x15mm Hex Socket Tapping Button Head **x1**



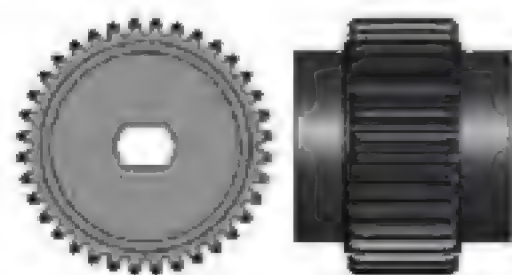
**AXA465**  
M3x10mm Hex Socket Tapping Flat Head **x1**



21

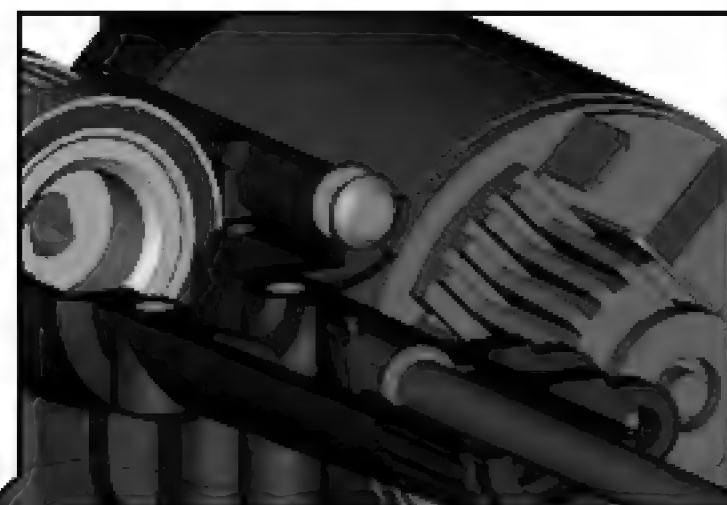
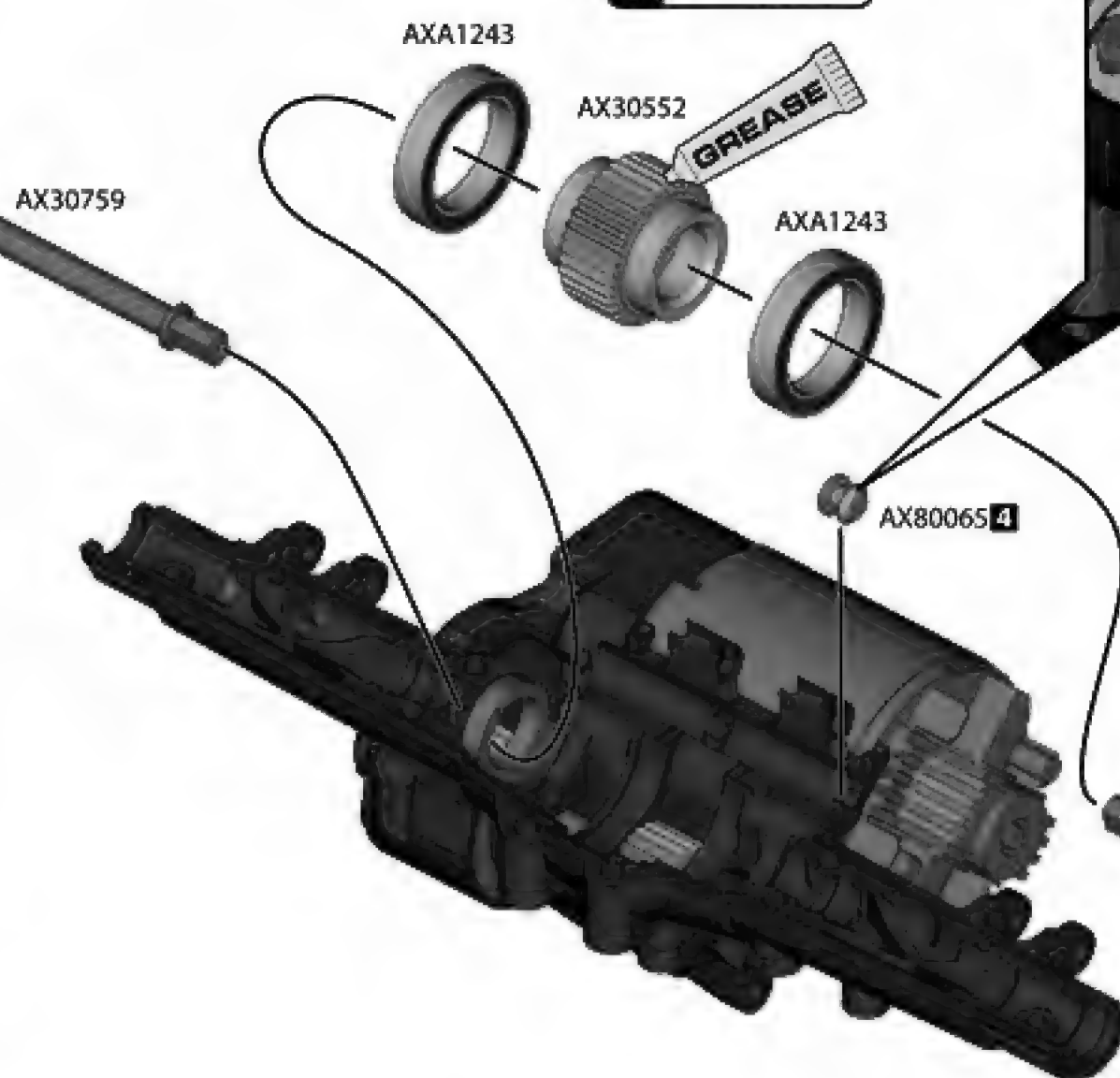


**AXA1243**  
Bearing 15x21x4mm **x2**



**AX30552**  
36T-48P Final Gear **x1**

**! Note Direction**



**Option Parts**



**AX30768**  
Machined Lightweight 36T-48P Final Gear



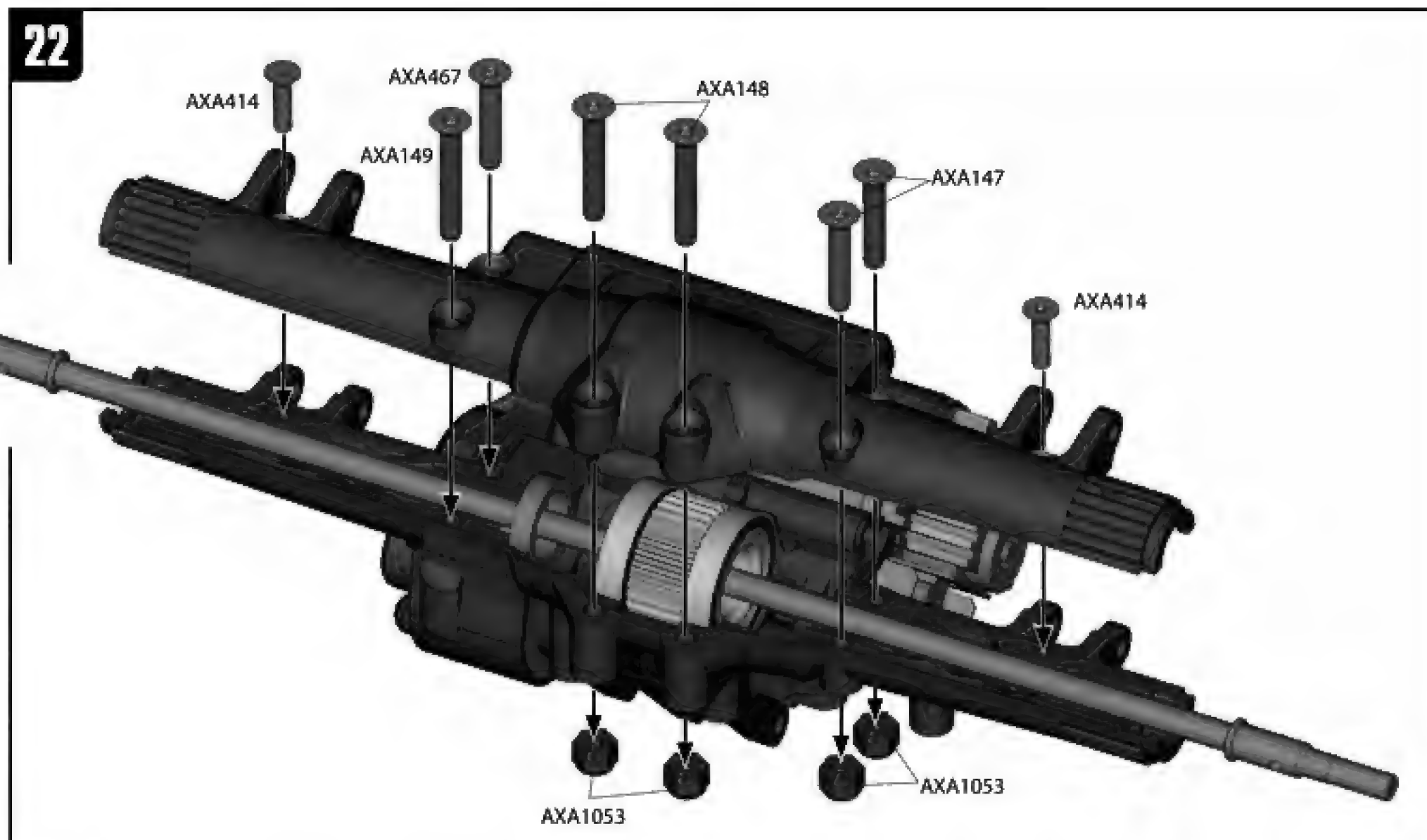
**AX30758**  
Straight Axle Shaft Rear 110mm **x1**



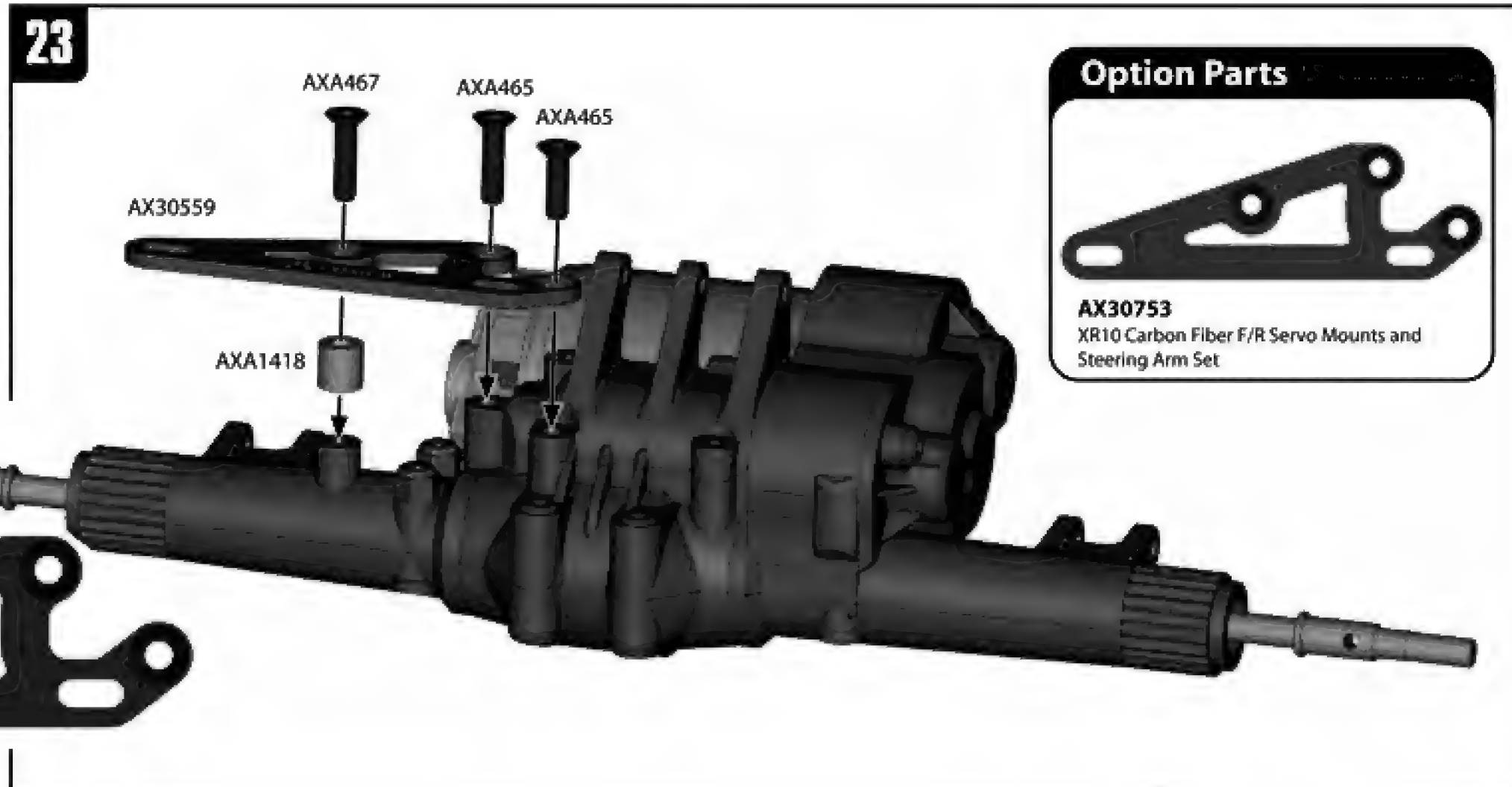
**AX30759**  
Straight Axle Shaft Rear 117mm **x1**



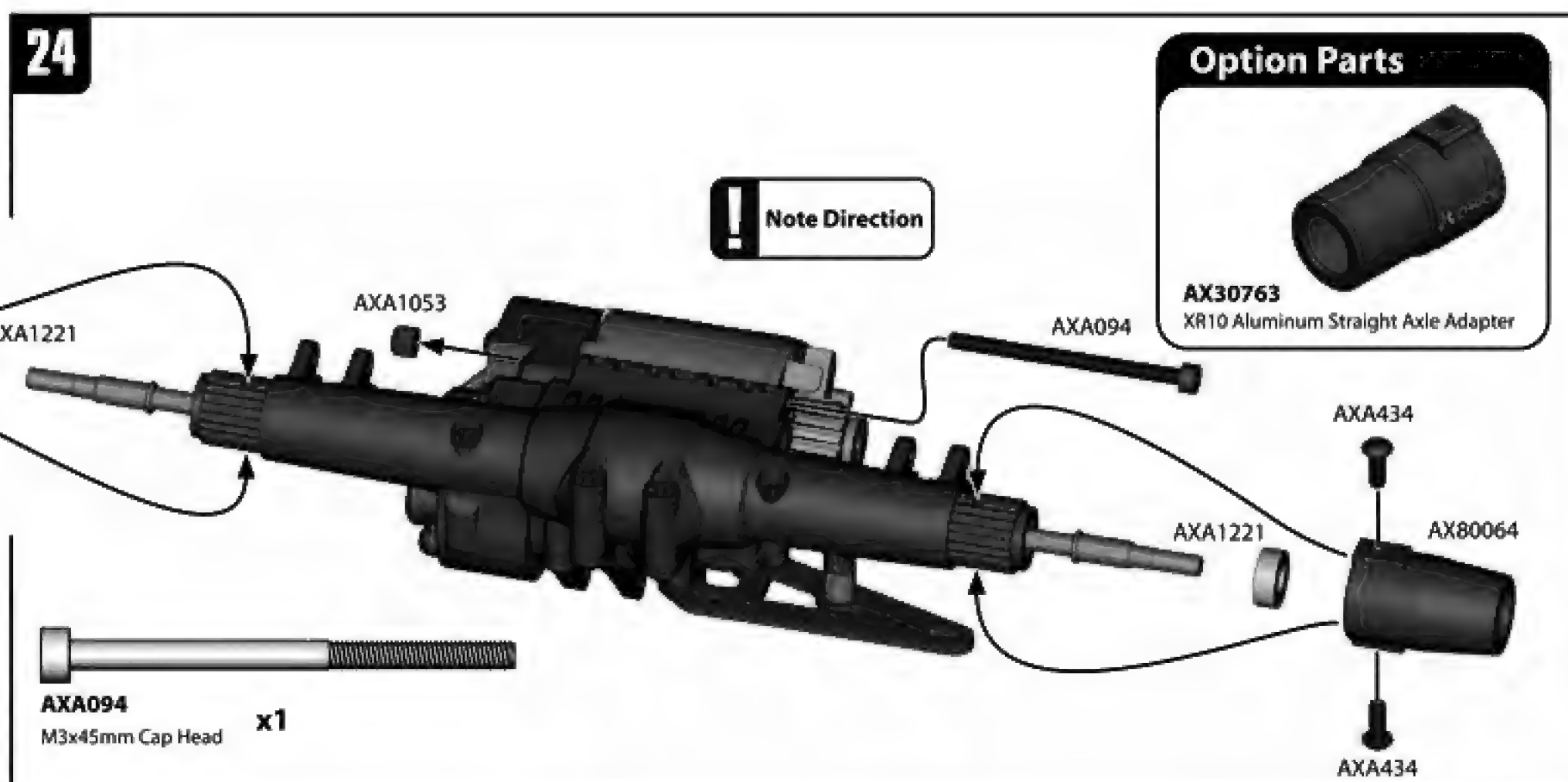
- AXA147**  
M3x16mm Hex Socket Flat Head **x2**
- AXA148**  
M3x18mm Hex Socket Flat Head **x2**
- AXA149**  
M3x20mm Hex Socket Flat Head **x1**
- AXA414**  
M2.6x10mm Hex Socket Tapping Flat Head **x2**
- AXA467**  
M3x15mm Hex Socket Tapping Flat Head **x1**
- AXA1053**  
M3 Nylon Locking Hex Nut **x4**



- AXA465**  
M3x10mm Hex Socket Tapping Flat Head **x2**
- AXA467**  
M3x15mm Hex Socket Tapping Flat Head **x1**
- AXA1418**  
6x6x3mm Spacer **x1**



- AXA434**  
M3x8mm Hex Socket Tapping Button Head **x4**
- AXA1053**  
M3 Nylon Locking Hex Nut **x1**
- AXA1221**  
Bearing 5x11x4mm **x2**





E

Open Bag E

AXA186  
M3x16mm Set Screw x8



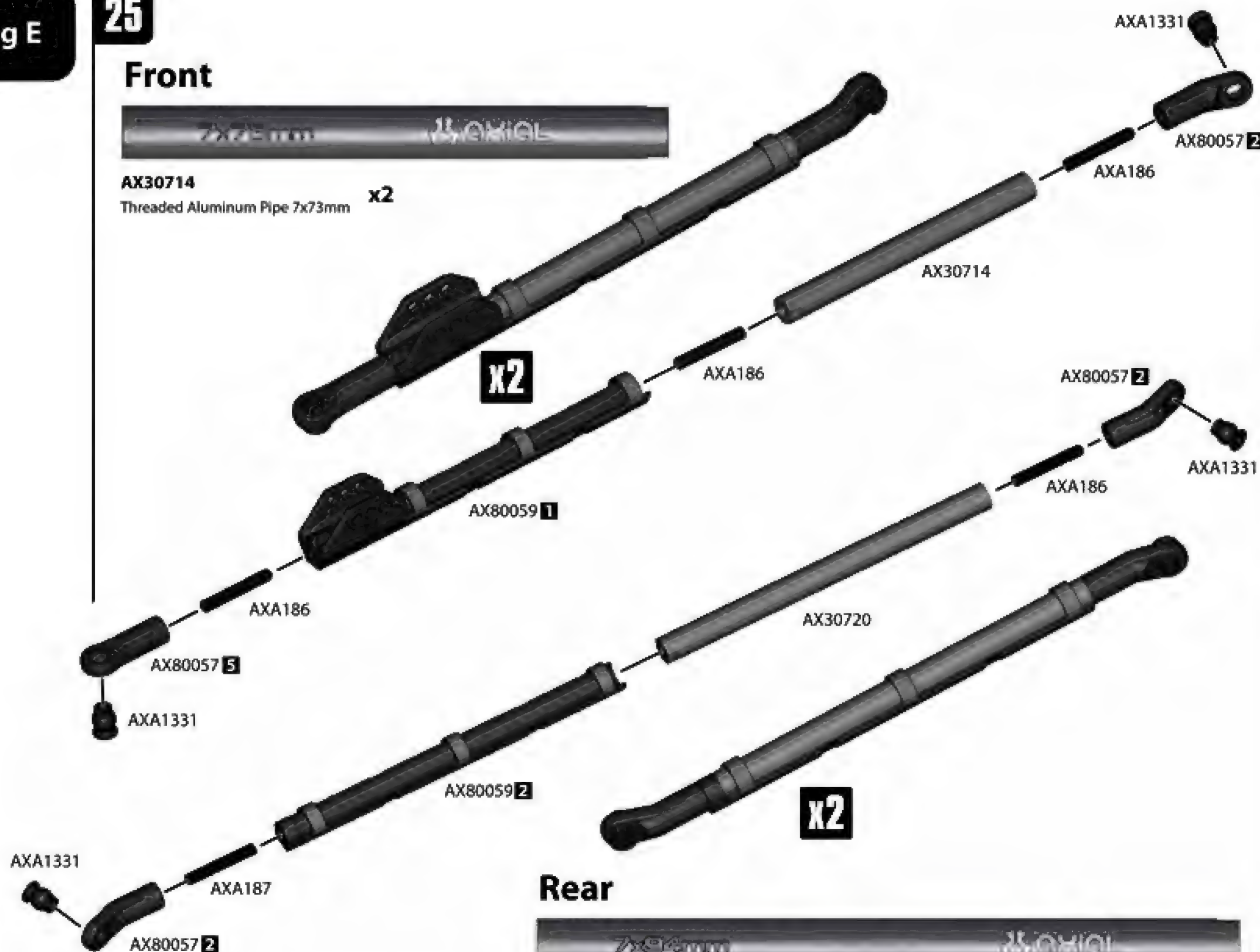
AXA1331  
Flanged Ball 3x5.8x7mm x8

AXA187  
M3x20mm Set Screw x2

25

Front

AX30714  
Threaded Aluminum Pipe 7x73mm x2



Rear

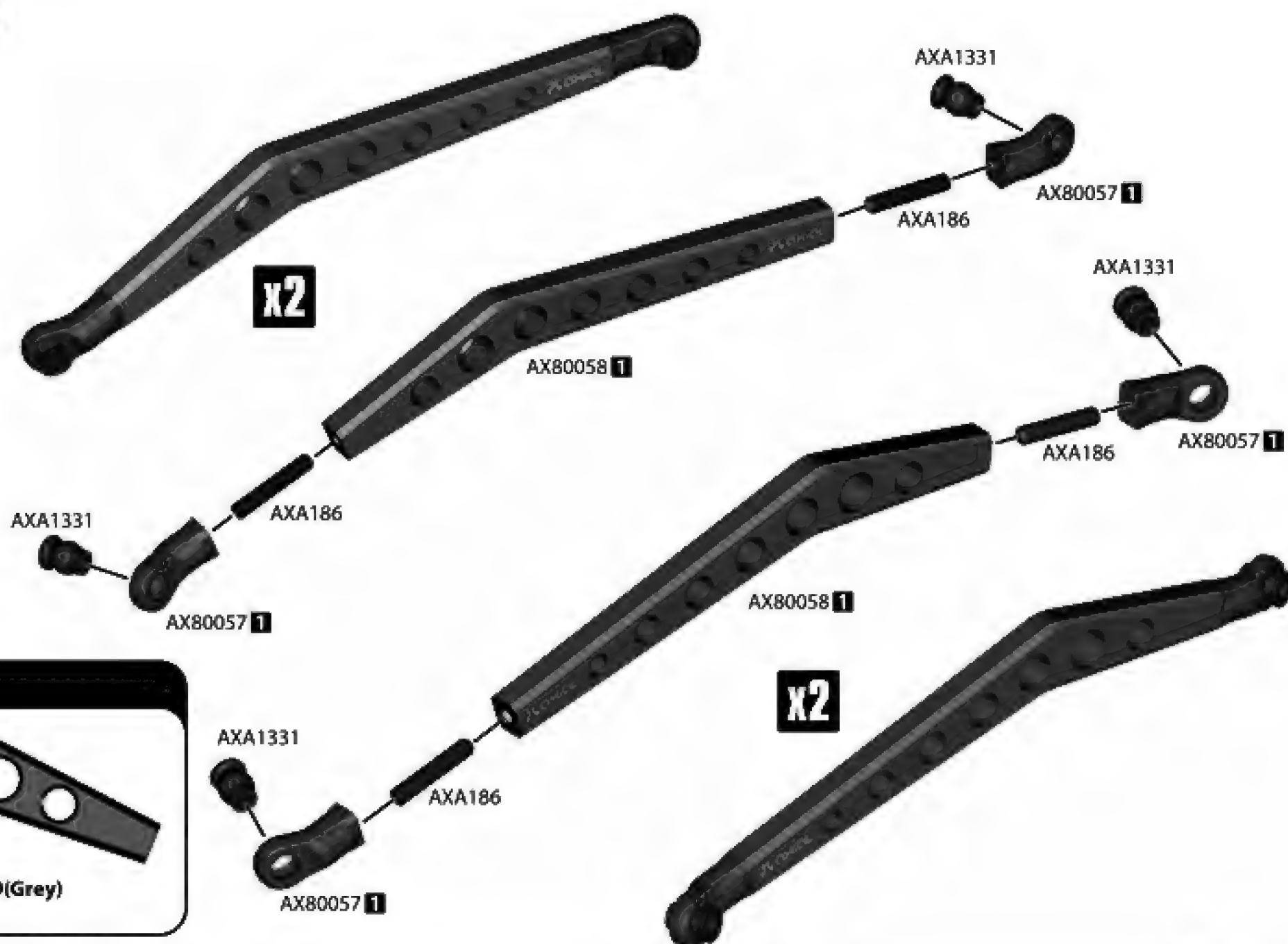
AX30720  
Threaded aluminum Pipe 7x94mm x2

26

AXA186  
M3x16mm Set Screw x8



AXA1331  
Flanged Ball 3x5.8x7mm x8



Option Parts



AX30465(Green) / AX30466(Red)  
AX30467(Blue) / AX30468(Orange) / AX30469(Grey)  
Machined Hi-Clearance Links Set

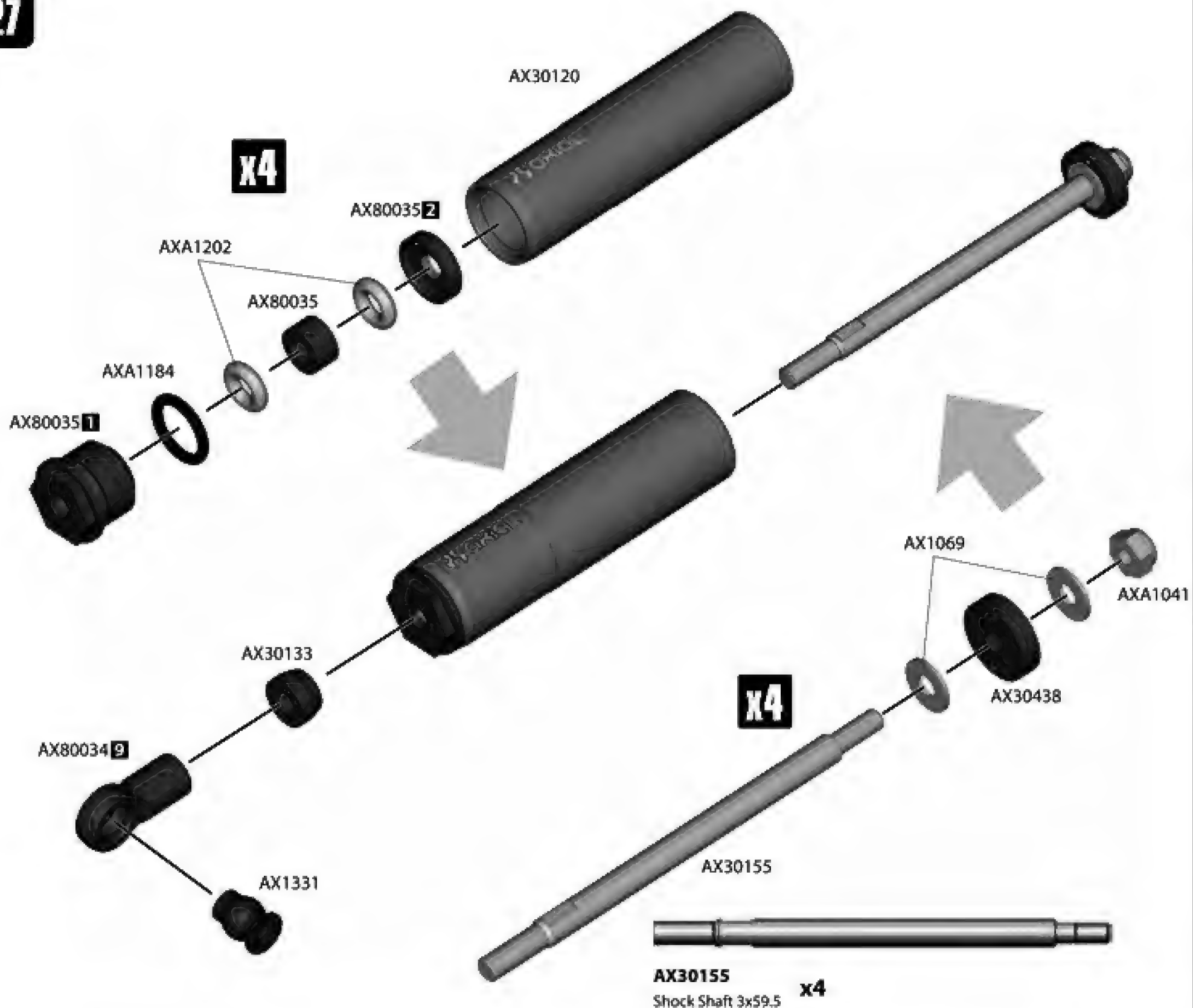


**F**

**Open Bag F**

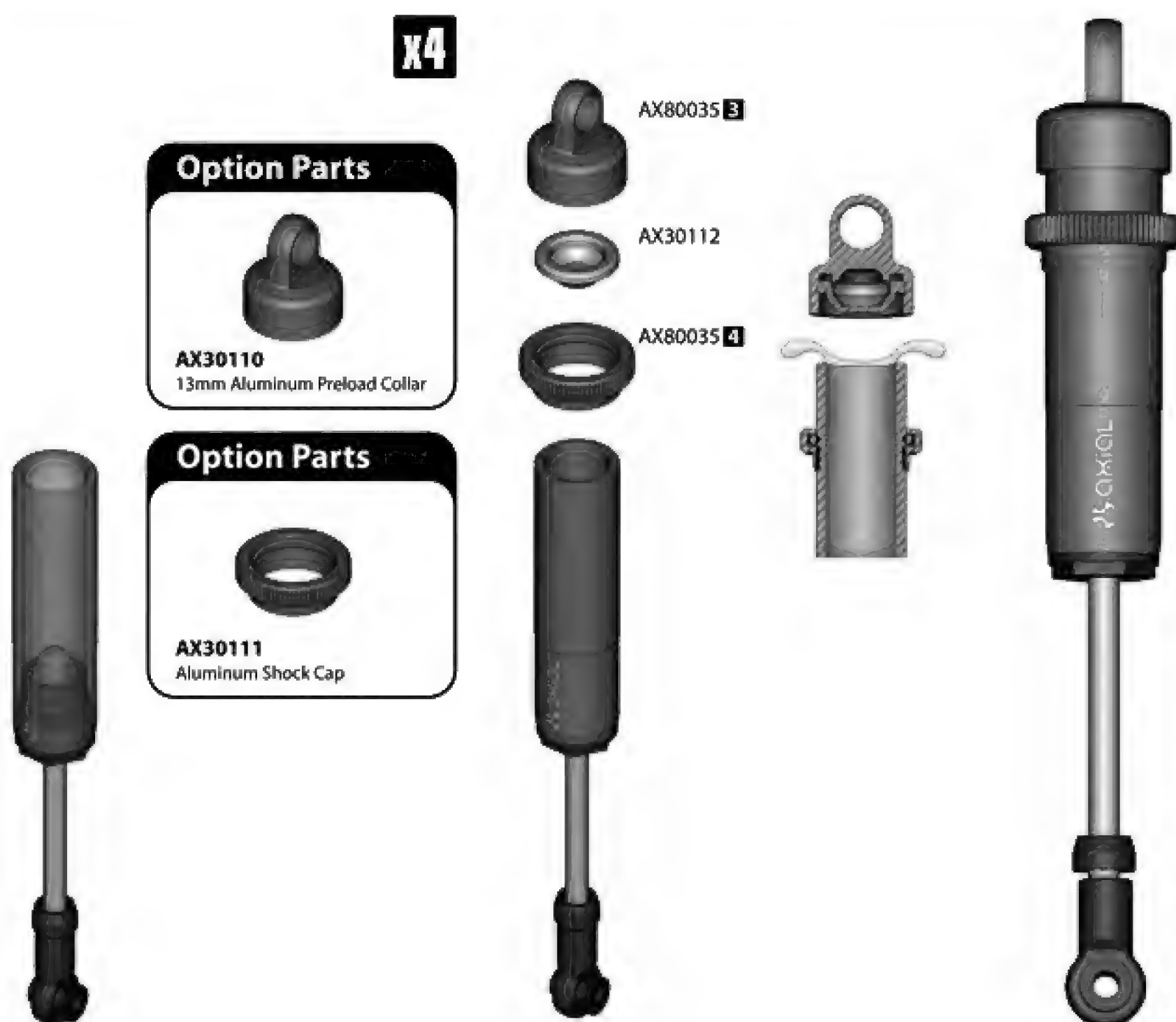
**27**

-  **AXA1041**  
M2.5 Nylon Lock Nut **x4**
-  **AXA1069**  
Washer 2.7x6.7x0.5mm **x8**
-  **AXA1184**  
O-Ring 7.5x1.5mm **x4**
-  **AXA1202**  
O-Ring 3.5x2mm **x8**
-  **AXA1331**  
Flanged Ball 3x5.8x7mm **x4**
-  **AX30113**  
Rubber Bump Stop 3.6x7x4 **x4**
-  **AX30438**  
10mm Machined Piston **x4**



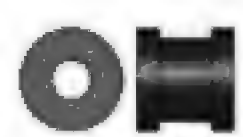
-  **AX30112**  
Shock Diaphragm 13x4.5mm **x4**

**28**



- Option Parts**
-  **AX30110**  
13mm Aluminum Preload Collar
  -  **AX30111**  
Aluminum Shock Cap





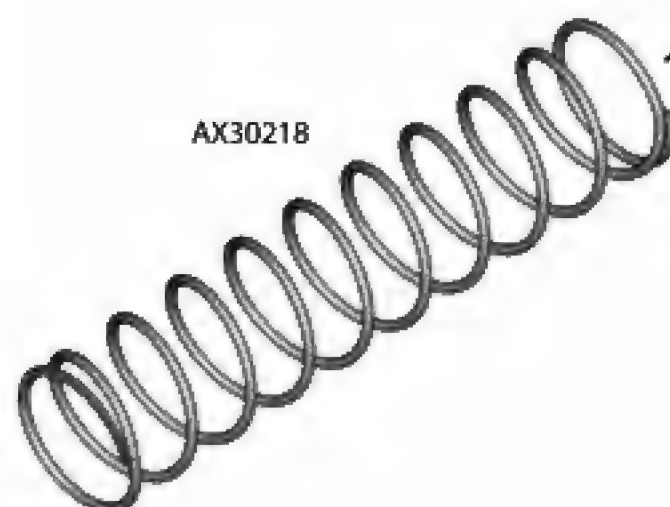
**AXA1356**  
Silicone Shock Bushing 7.5x8mm **x4**

**29**

**AX80034 6**



**AX30218**



**x4**



**AXA1356**

## Option Parts



**AX30218**  
Spring 14x70mm 2.07 lbs-in - Super Soft

**AX30219**  
Spring 14x70mm 2.47 lbs-in - Soft

**AX30220**  
Spring 14x70mm 2.85 lbs-in - Medium

**AX30221**  
Spring 14x70mm 2.85 lbs-in - Medium

**AX30222**  
Spring 14x70mm 3.55 lbs-in - Super Firm

## Pistons

### Standard Pistons

Provides the same dampening rate on both compression and extension

**AX80033 2** **Soft**  
(2) 1.3mm holes

**AX80033 3** **Medium**  
(3) 1.2mm holes

**AX80033 4** **Firm**  
(3) 1.1mm holes

Less

↑

Dampening

↓

More

### Variable Rate Pistons

Provides a different dampening rate depending on which direction you install.

**AX80033 5**

**AX80033 6**

**AX80033 5**

**AX80033 6**

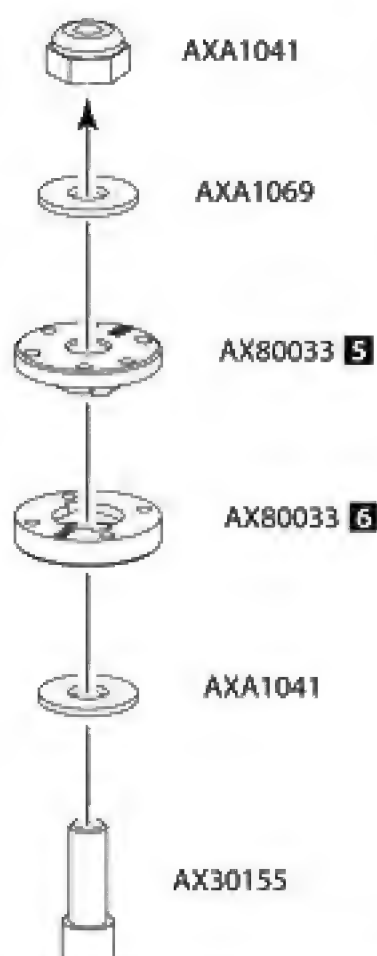
**AX80033 6**

**AX80033 5**

Install this direction for faster rebound and slower compression

Install this direction for Slower rebound and faster compression

## Installation



## Springs/Oil



### Springs

Depending on the application you may want a firmer spring than what is included. Selecting a spring rate is based on each vehicles weight and handling and usually will require some trial and error.

For rock crawling applications it is recommended to use a stiffer spring on which ever corner is exhibiting torque twist.

### Oil

Oils are another element you can use to tune the handling of your vehicle. You want an oil that allows the vehicle to handle the terrain well, but not too thin as to exhibit a springy bounce while driving.

We recommend starting with a good 30 wt. silicone oil. If you are looking for a faster rebound/compression rate use a lower weight oil. If you are looking for a slower rebound compression rate use a higher weight oil.

**10wt.**

**100wt.**

Faster ← **Dampening** → Slower





**AXA121**  
M3x30mm Hex Socket Button Head x1



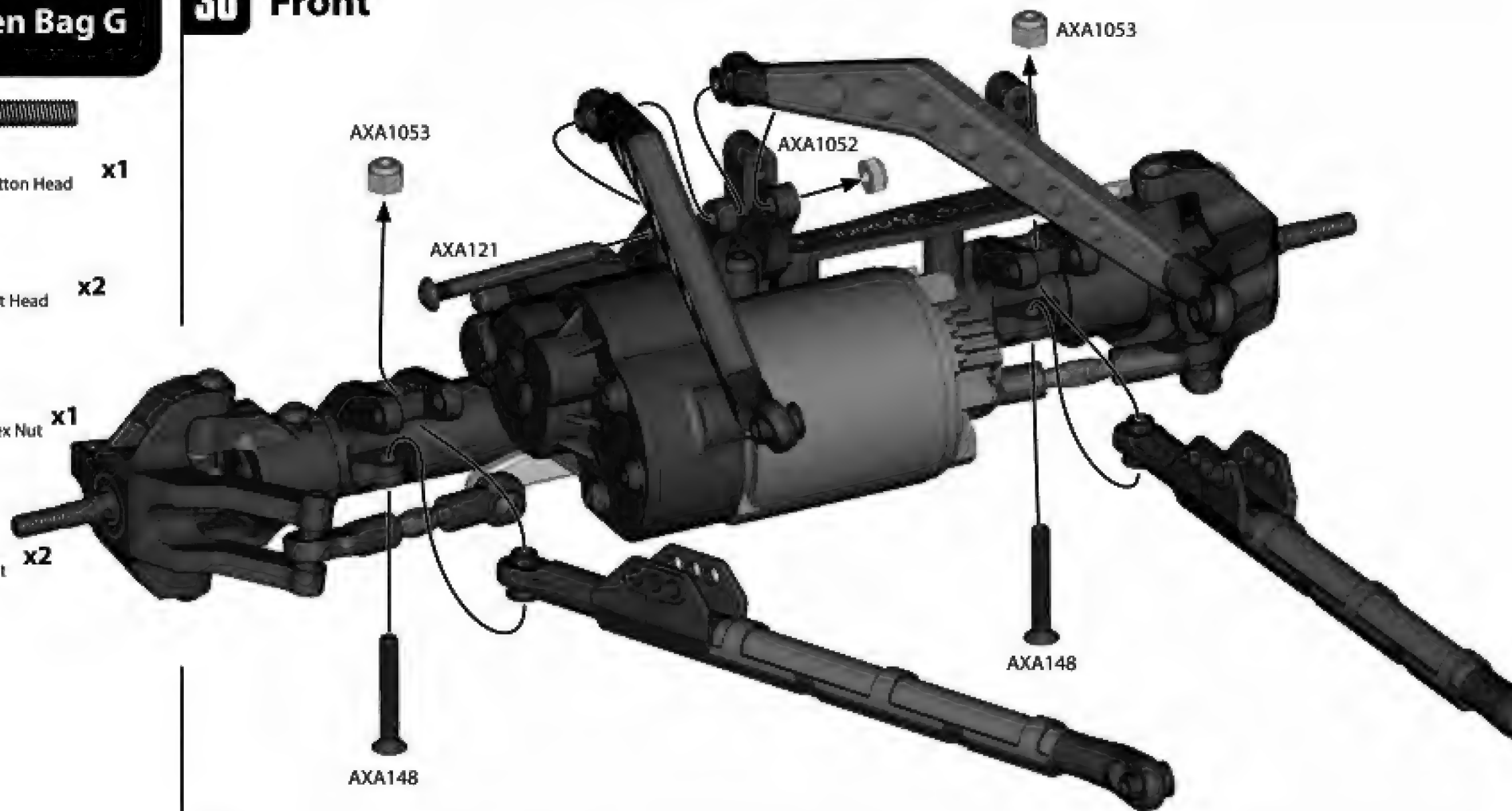
**AXA148**  
M3x18mm Hex Socket Flat Head x2



**AXA1052**  
M3 Thin Nylon Locking Hex Nut x1



**AXA1053**  
M3 Nylon Locking Hex Nut x2



**AXA118**  
M3x18mm Hex Socket Button Head x2

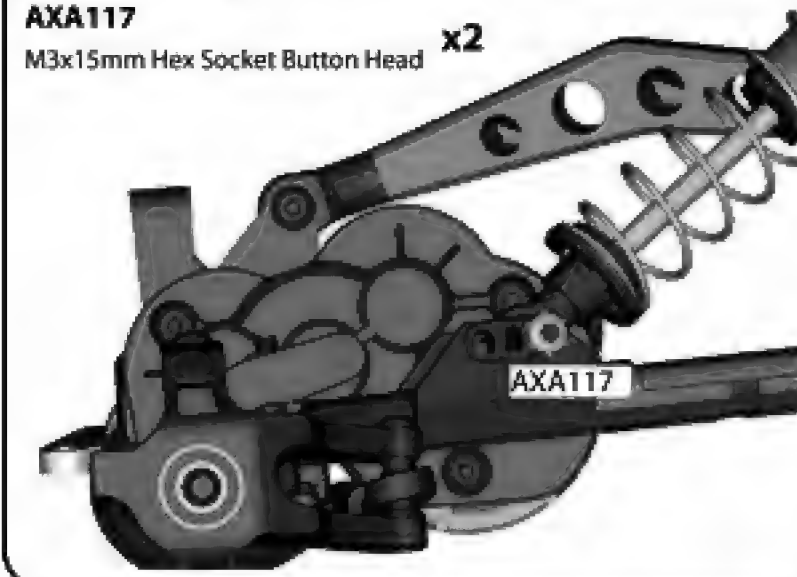


**AXA1052**  
M3 Thin Nylon Locking Hex Nut x2

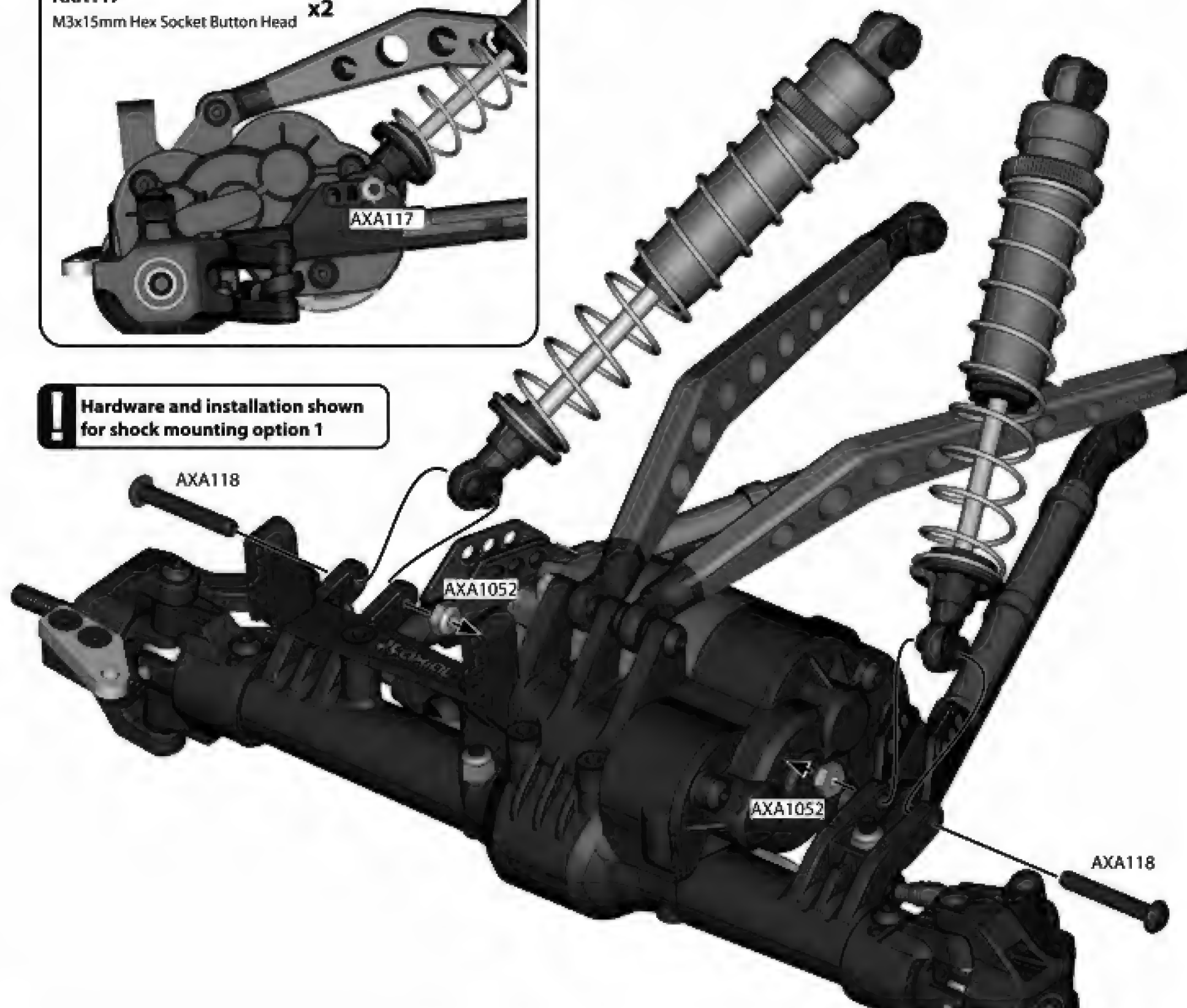
### Shock Mounting Option



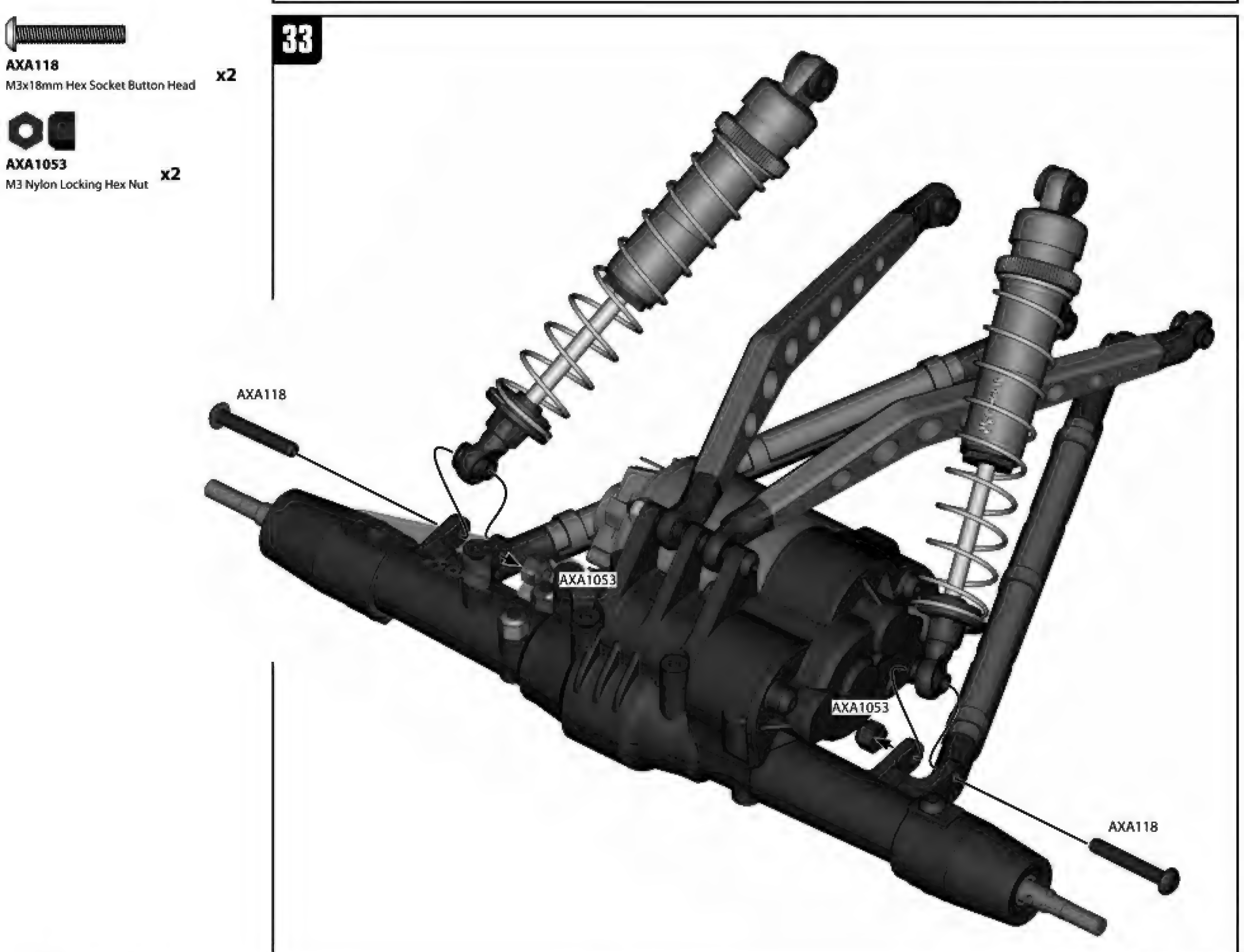
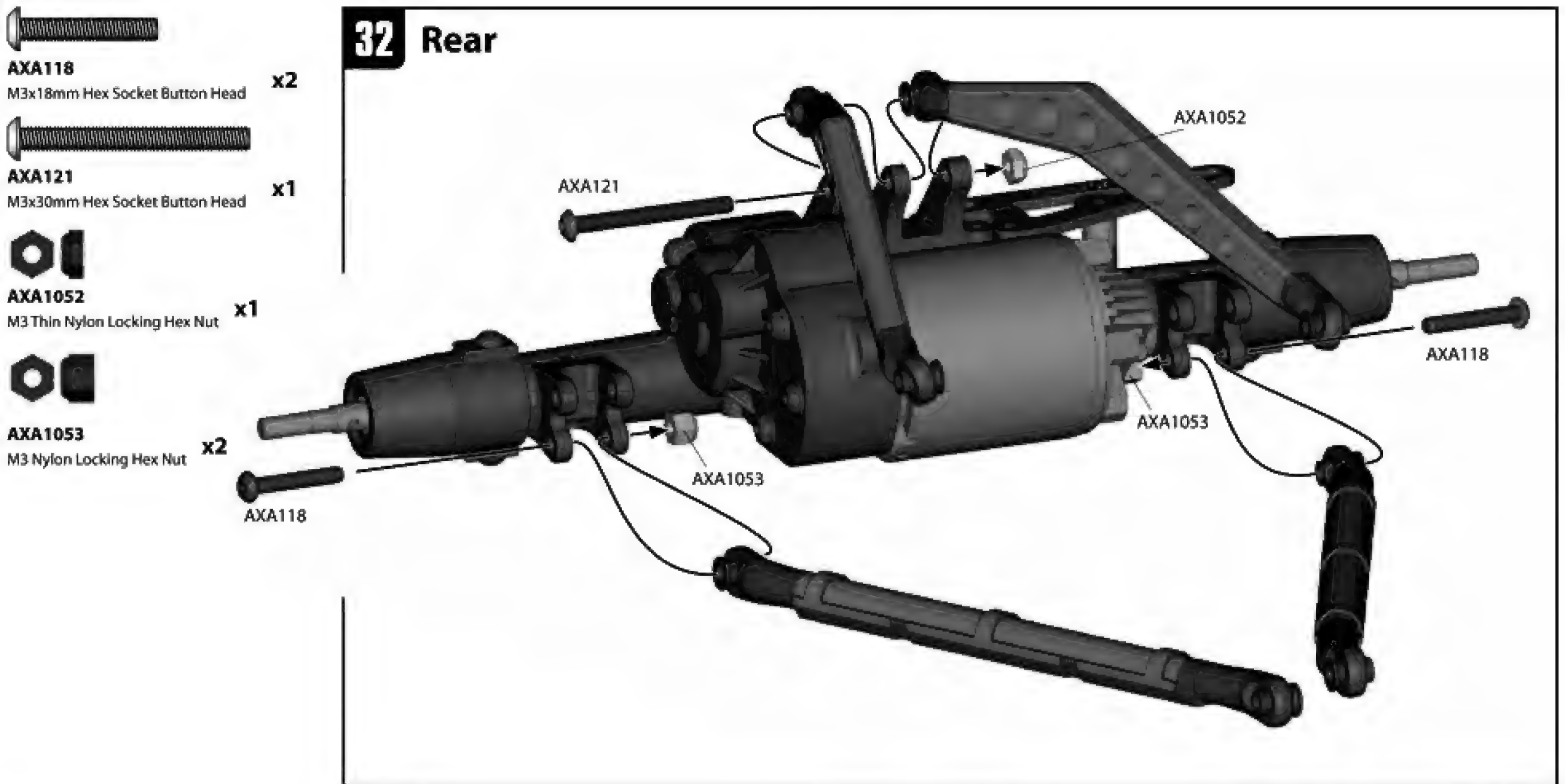
**AXA117**  
M3x15mm Hex Socket Button Head x2



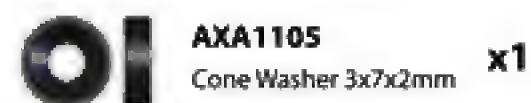
**Hardware and installation shown for shock mounting option 1**



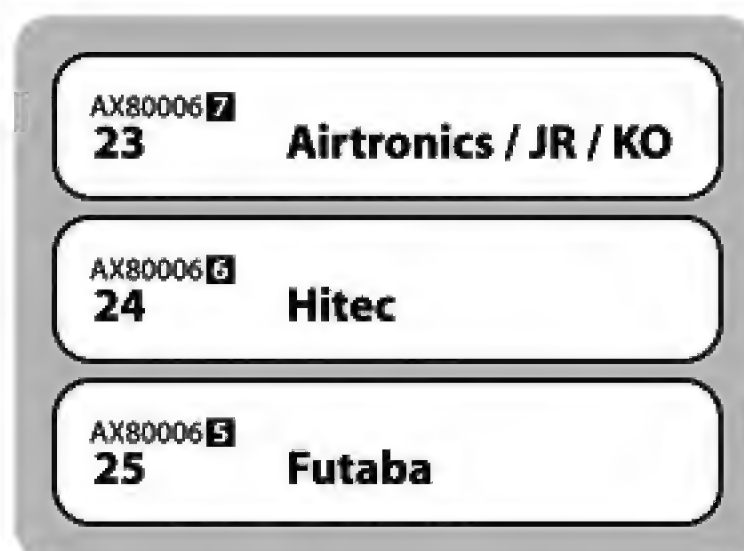




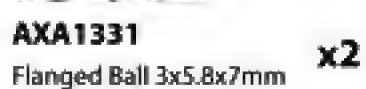
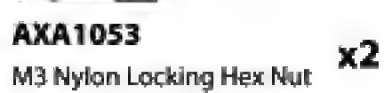
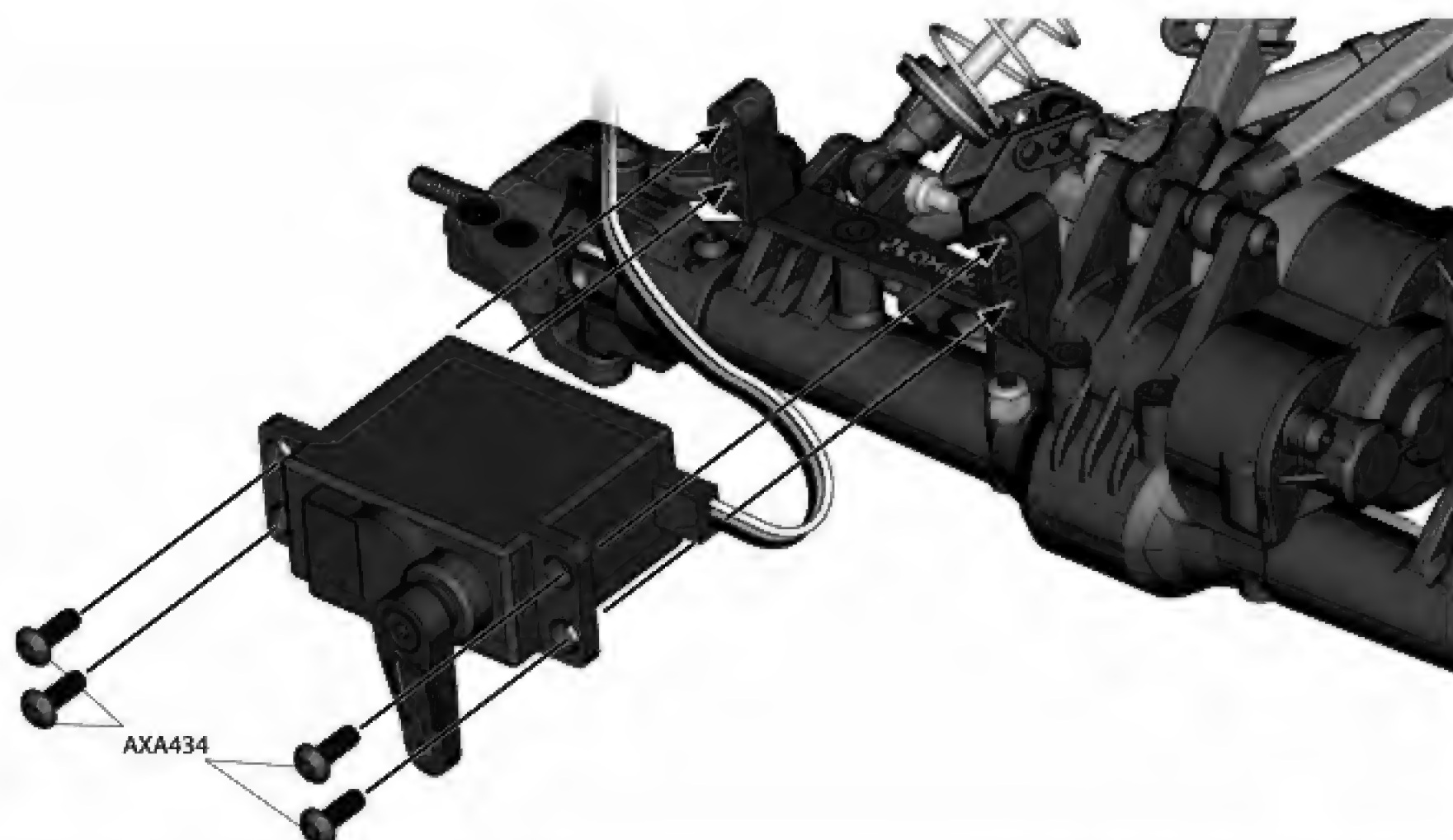




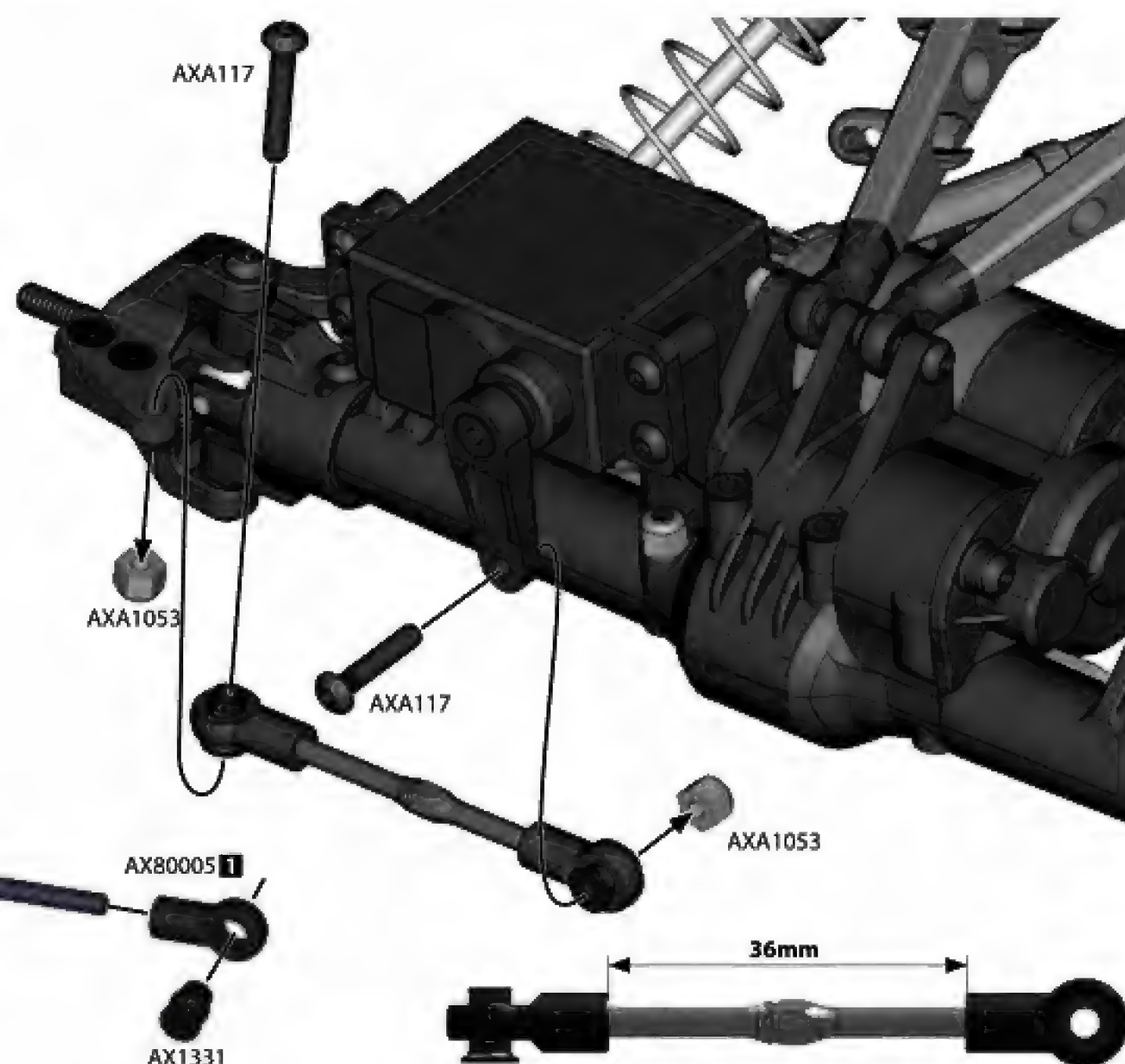
34



35



36







**AXA115**  
M3x10mm Hex Socket Button Head **x4**



**AXA118**  
M3x18mm Hex Socket Button Head **x4**



**AXA1040**  
M3 Thin Hex Nut **x4**



**AXA1052**  
M3 Thin Nylon Locking Hex Nut **x4**

AXA1040

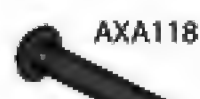


AX30561



AX30562B

AXA118



AX30561



AXA1040

AXA1040



AXA118



AX30561

AXA1052



AXA1052



AXA118



AXA1040



AXA115



AX30561

**!** Note direction of AX30562A/B  
when installing AX30561

AX30562A



## Option Parts



**AX30752**  
XR10 Carbon Fiber Shock Mounts



**AXA117**  
M3x15mm Hex Socket Button Head **x2**



**AXA464**  
M3x8mm Hex Socket Tapping Flat Head **x4**



**AXA1052**  
M3 Thin Nylon Locking Hex Nut **x2**

## Option Parts



**AX30774**  
Carbon Fiber XR10 Battery Plate

AXA1052



AX80056 1

AX80056 2



AXA117



AX30562B

AXA464

## Option Parts



**AX30750**  
XR10 Carbon Fiber Chassis Plate Set



39



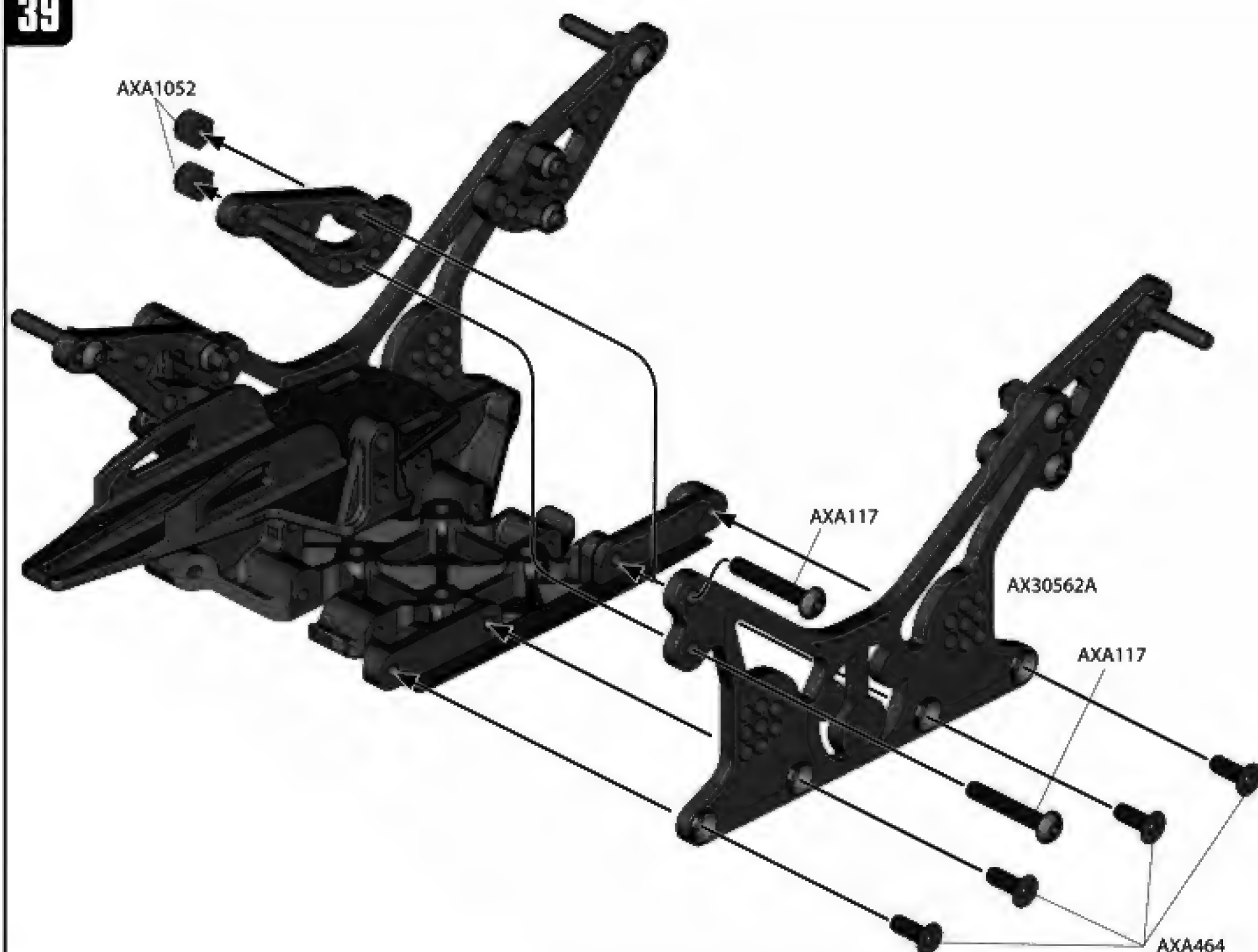
**AXA117**  
M3x15mm Hex Socket Button Head **x2**



**AXA464**  
M3x8mm Hex Socket Tapping Flat Head **x4**



**AXA1052**  
M3 Thin Nylon Locking Hex Nut **x2**



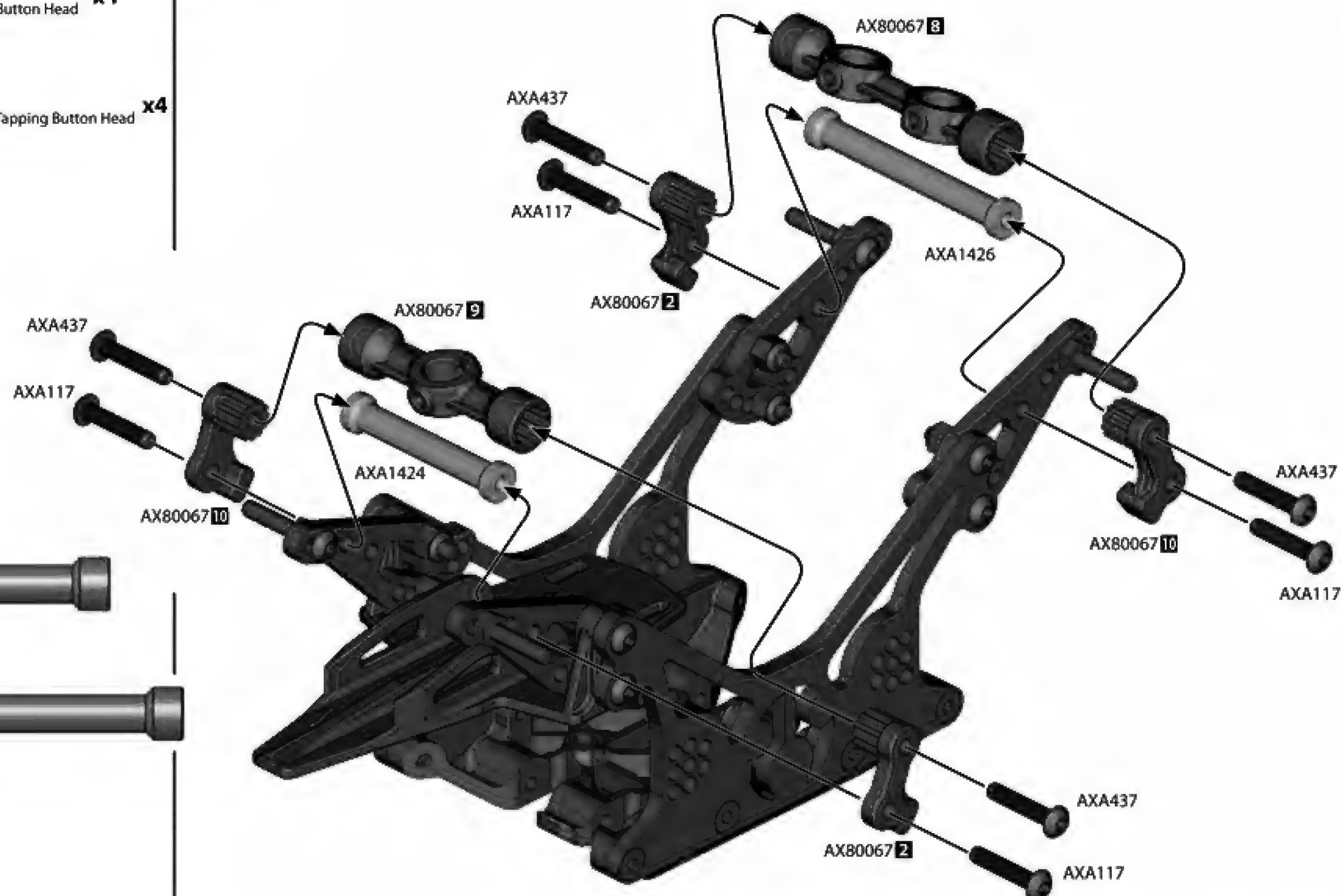
40



**AXA117**  
M3x15mm Hex Socket Button Head **x4**



**AXA437**  
M3x15mm Hex Socket Tapping Button Head **x4**



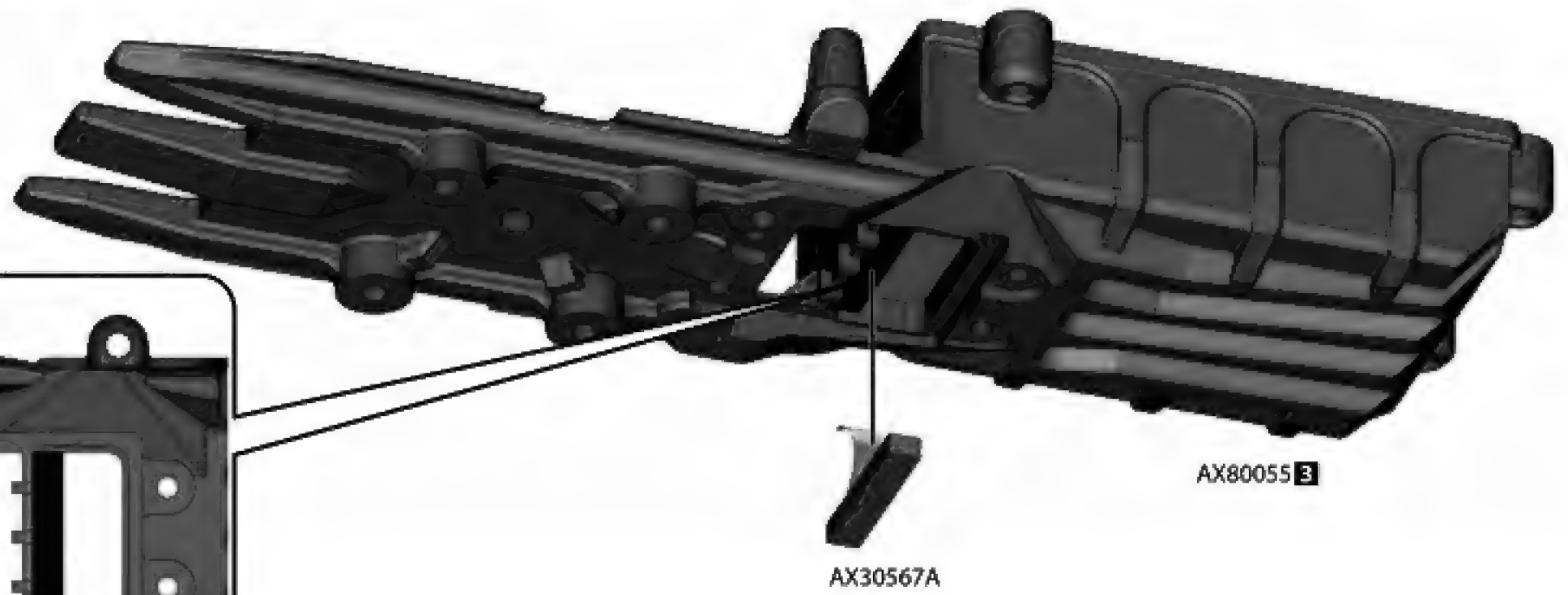
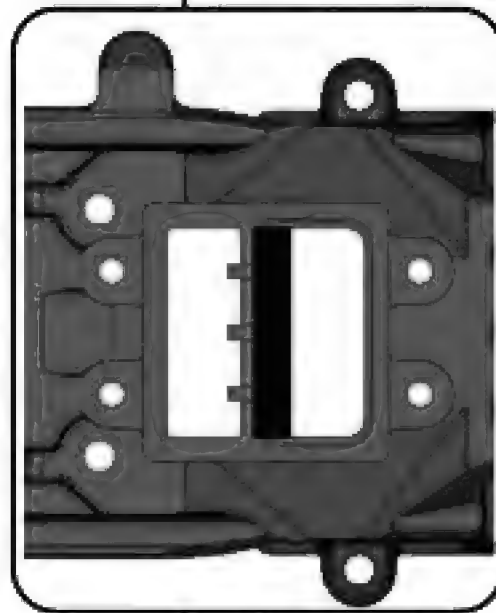
**AXA1424**  
7x35mm Post **x1**



**AXA1426**  
7x45mm Post **x1**



41



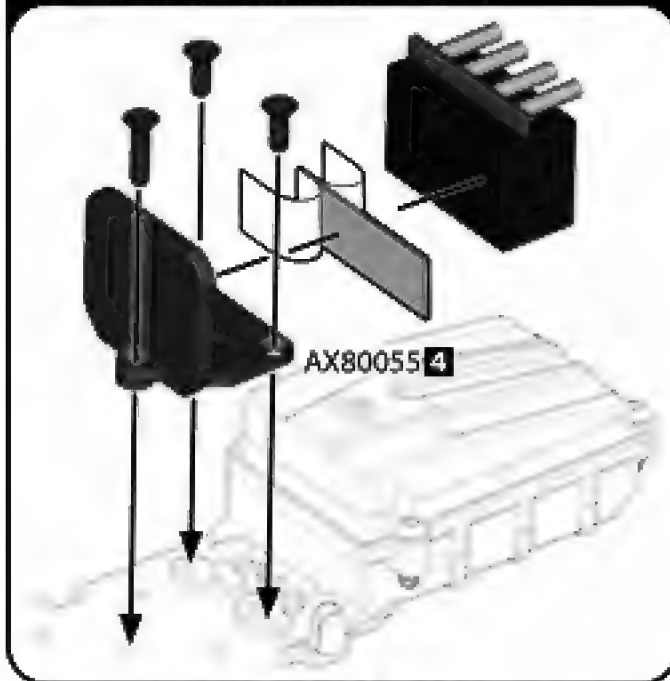
AX80055 3

AX30567A

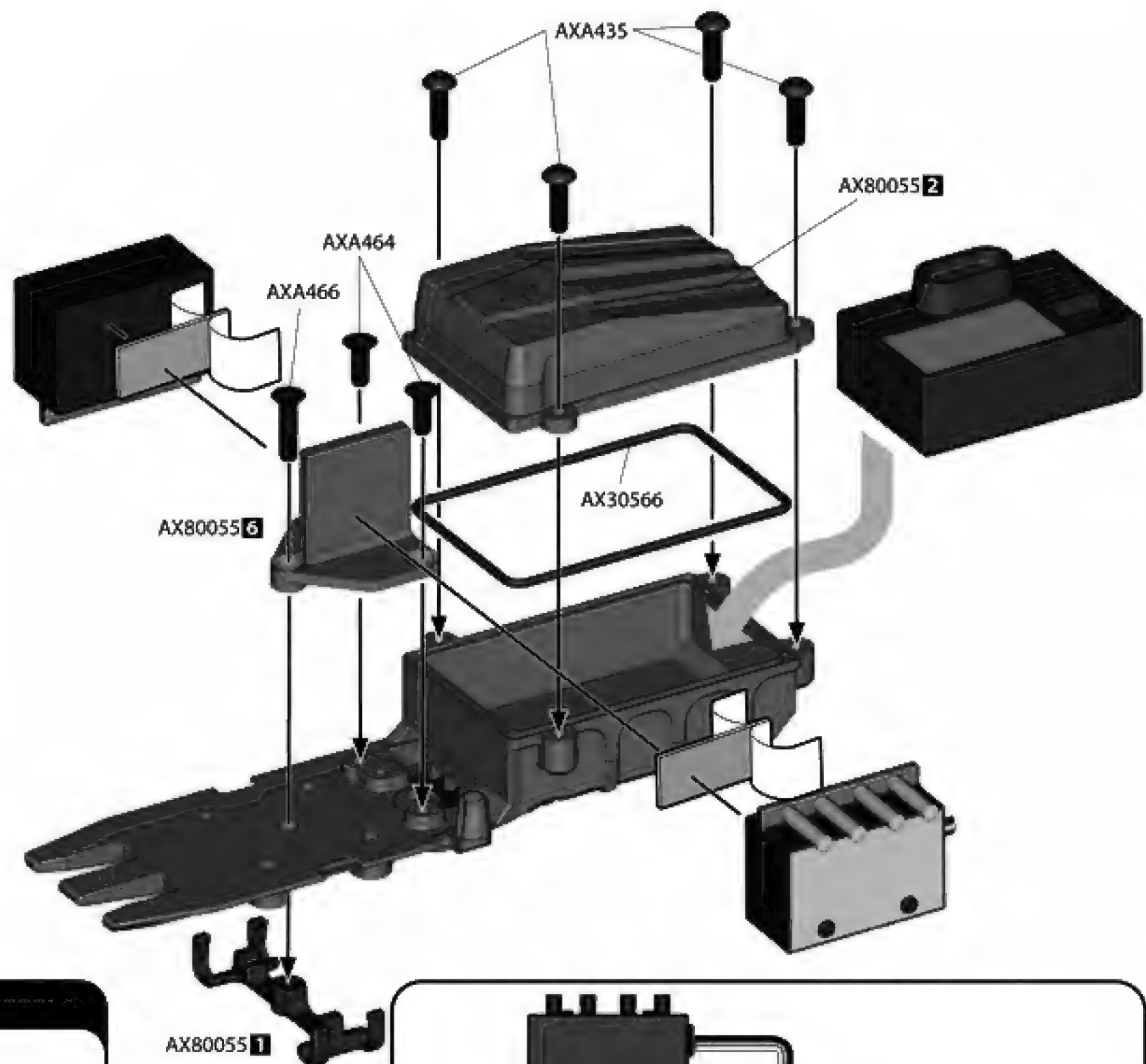
-  **AXA435**  
M3x10mm Tapping **x4**
-  **AXA464**  
M3x8mm Tapping **x2**
-  **AXA466**  
M3x12mm Tapping **x1**

42

Optional ESC Mounting for single ESC,  
or ESC with larger mounting area



AX80055 4



AX80055 1

AX80055 2

AXA435

AXA464

AXA466

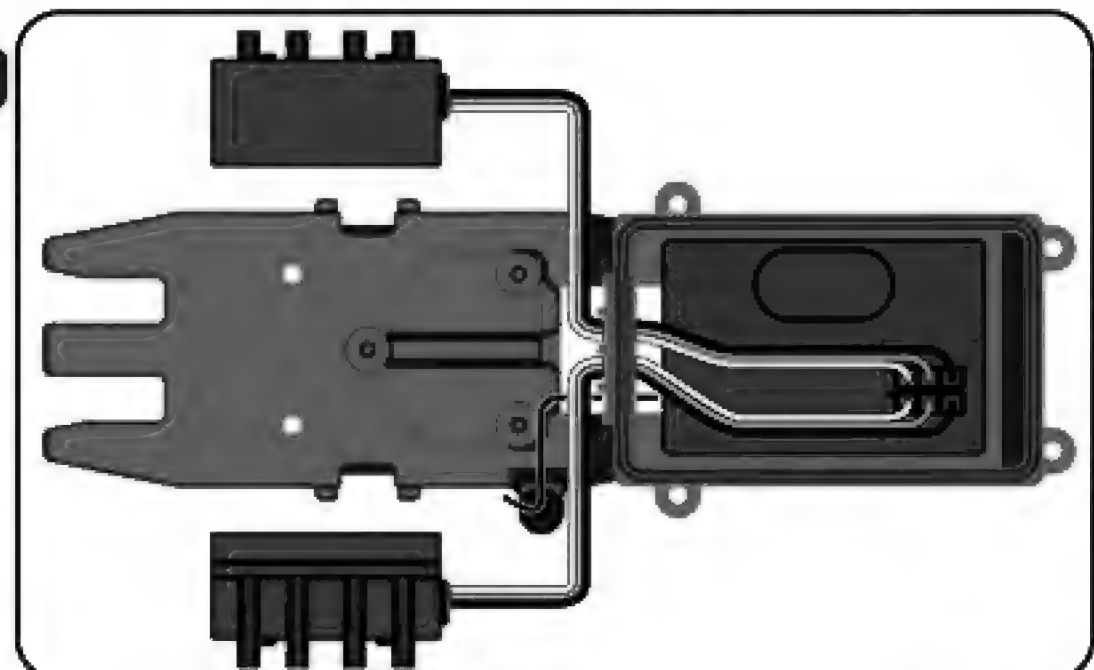
AX30566

AX80055 5

### Option Parts

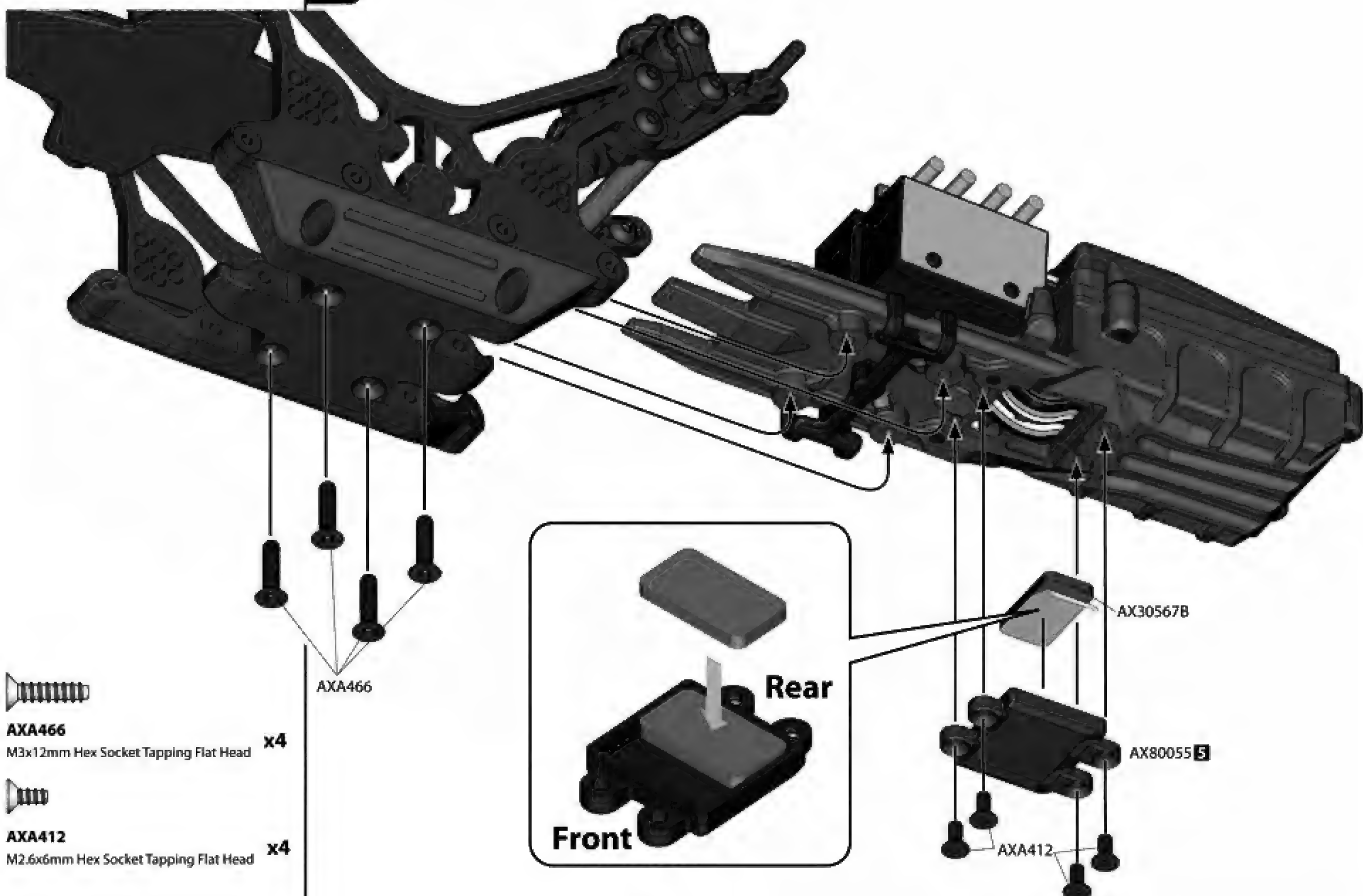


**AX30772**  
Carbon Fiber XR10 Electronics Plate

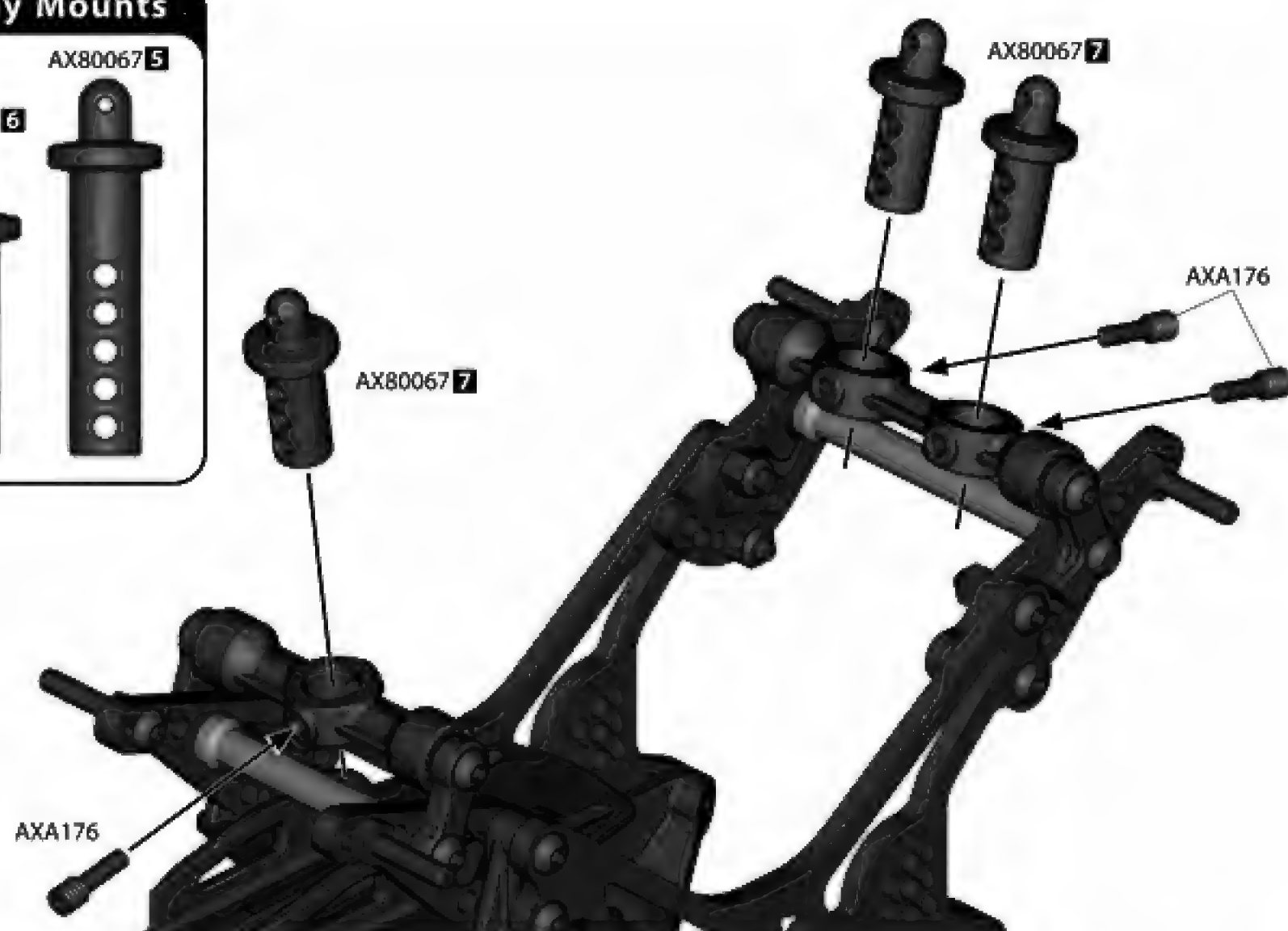




43



44





Open Bag I

## 45 Front



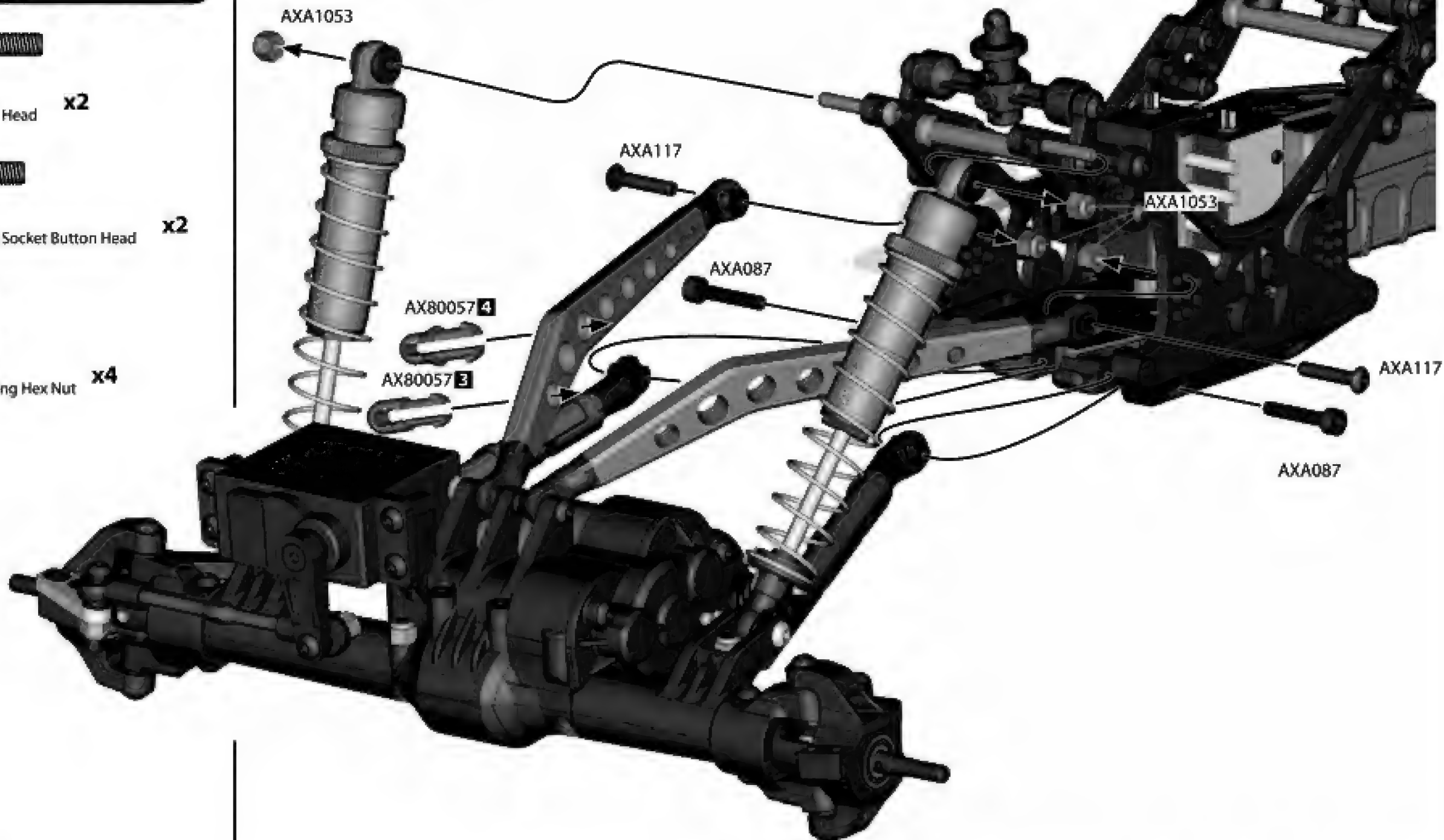
**AXA087**  
M3x16mm Cap Head **x2**



**AXA117**  
M3x15mm Hex Socket Button Head **x2**



**AXA1053**  
M3 Nylon Locking Hex Nut **x4**



**AXA087**  
M3x16mm Cap Head **x2**



**AXA119**  
M3x20mm Hex Socket Button Head **x2**

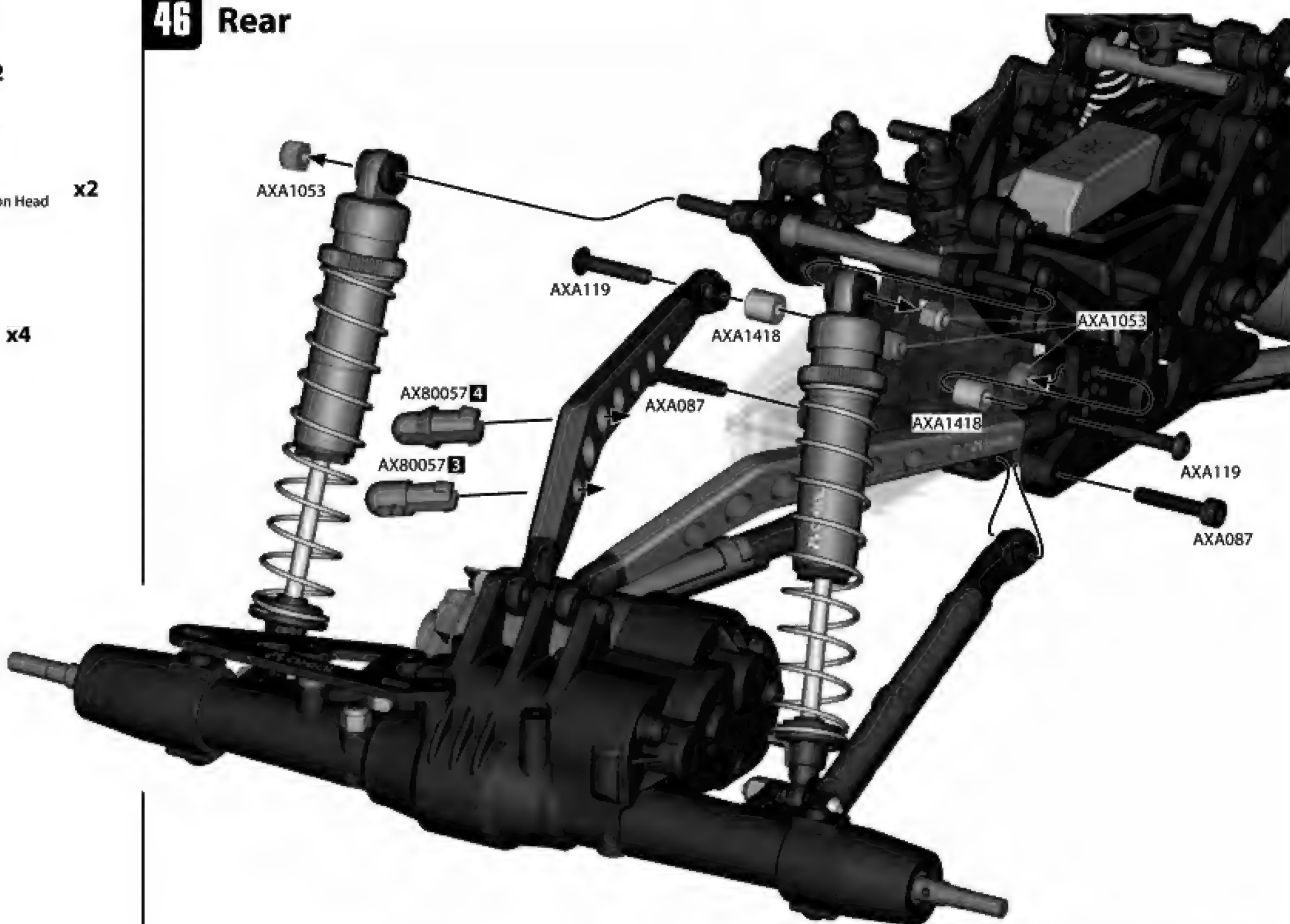


**AXA1053**  
M3 Nylon Locking Hex Nut **x4**



**AXA1418**  
6x6x3mm Spacer **x2**

## 46 Rear







**AXA149**  
M3x20mm Hex Socket Flat Head **x4**

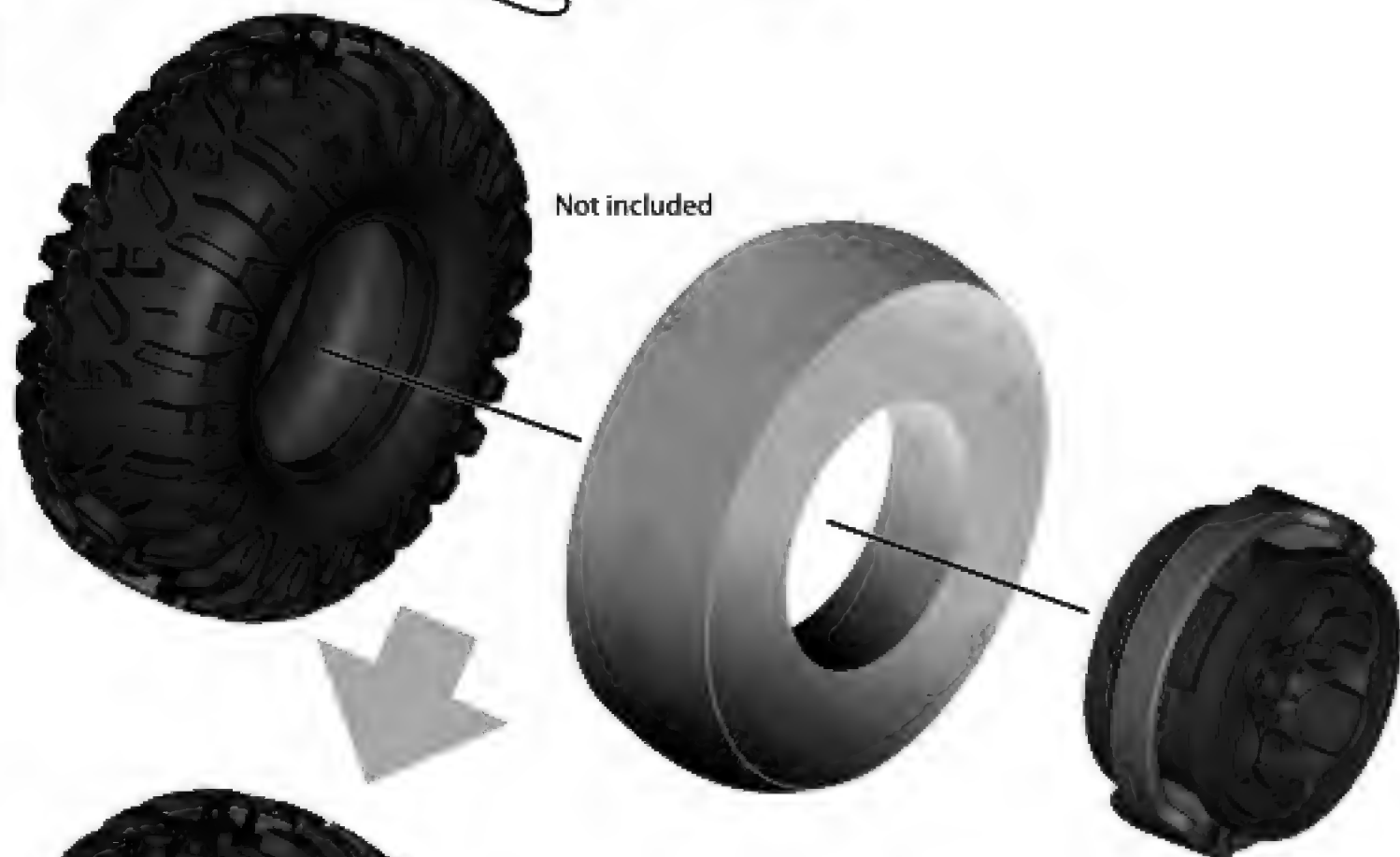
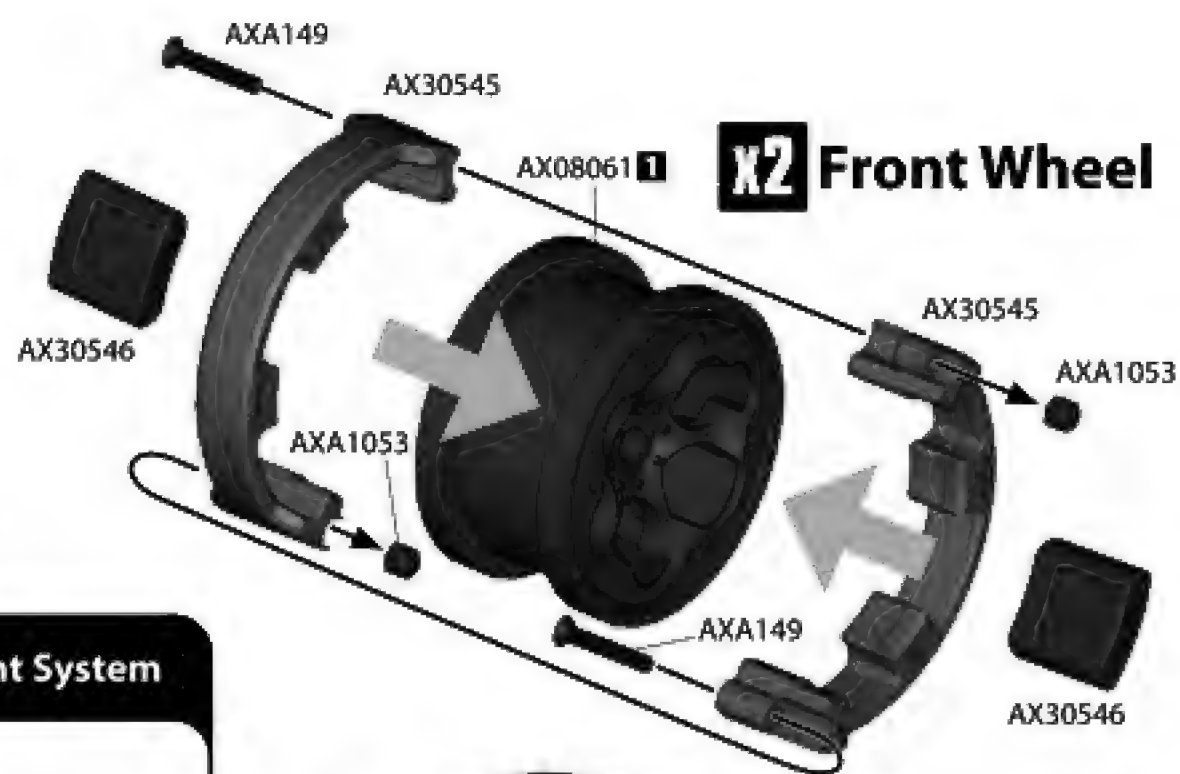


**AXA418**  
M2.6x25mm Hex Socket Tapping Flat Head **x24**



**AXA1053**  
M3 Nylon Locking Hex Nut **x4**

### Optional External Vanquish Products Weight System



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**FREE**

**Team VP T-Shirt**

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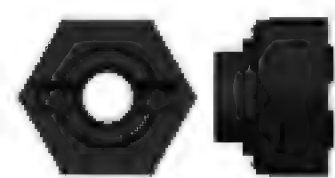
• [WWW.VANQUISHPRODUCTS.COM](http://WWW.VANQUISHPRODUCTS.COM)



**AXA180**  
M3x3mm Set Screw **x4**

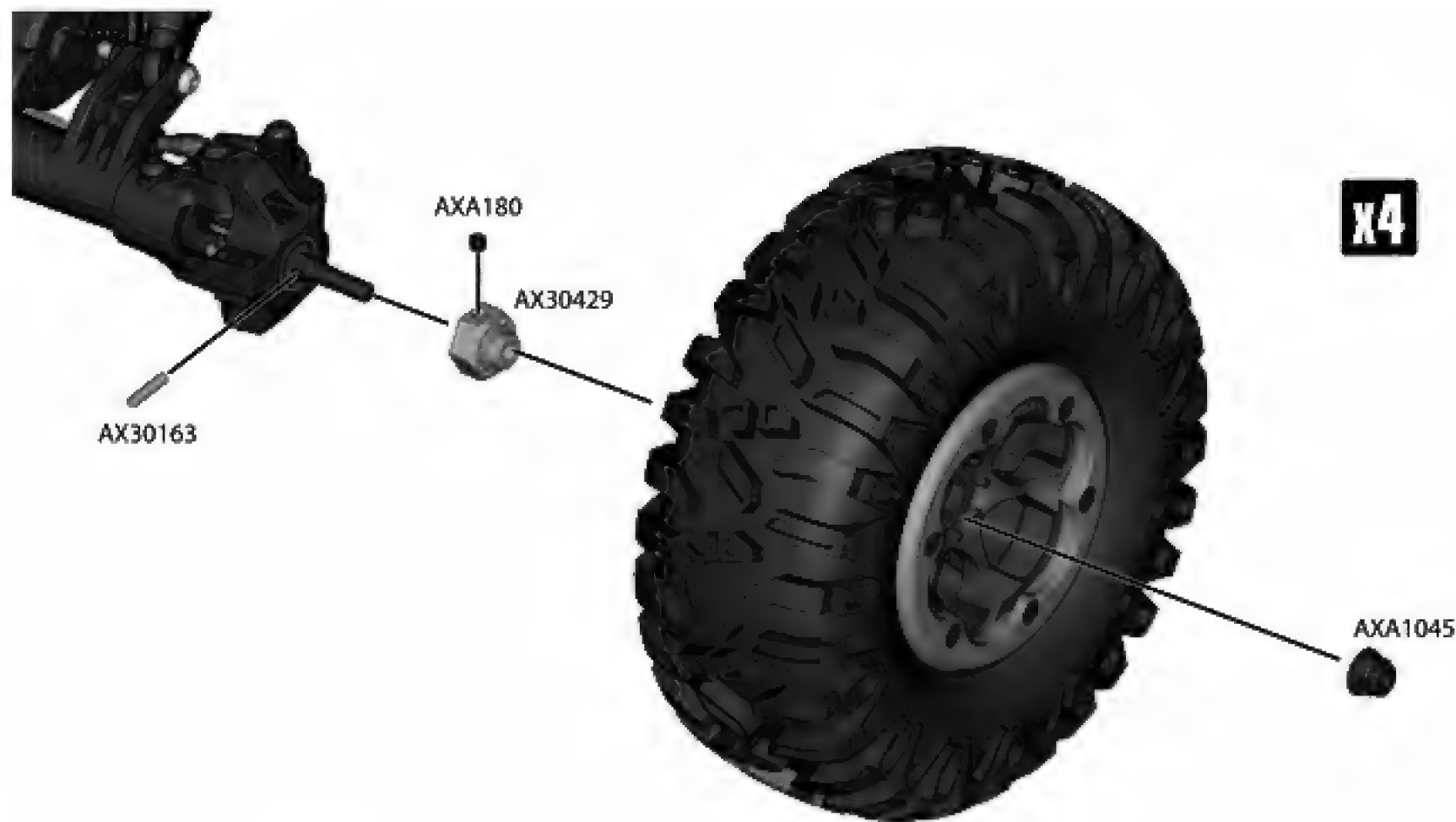
**AXA1045**  
M4 Nylon Lock Nut **x4**

**AX30163**  
Pin 2x10mm **x4**

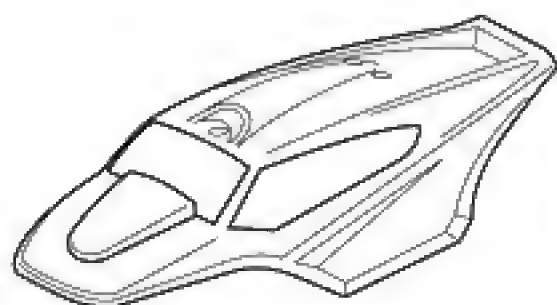


**AX30429**  
12mm Locking Hub **x4**

**48**

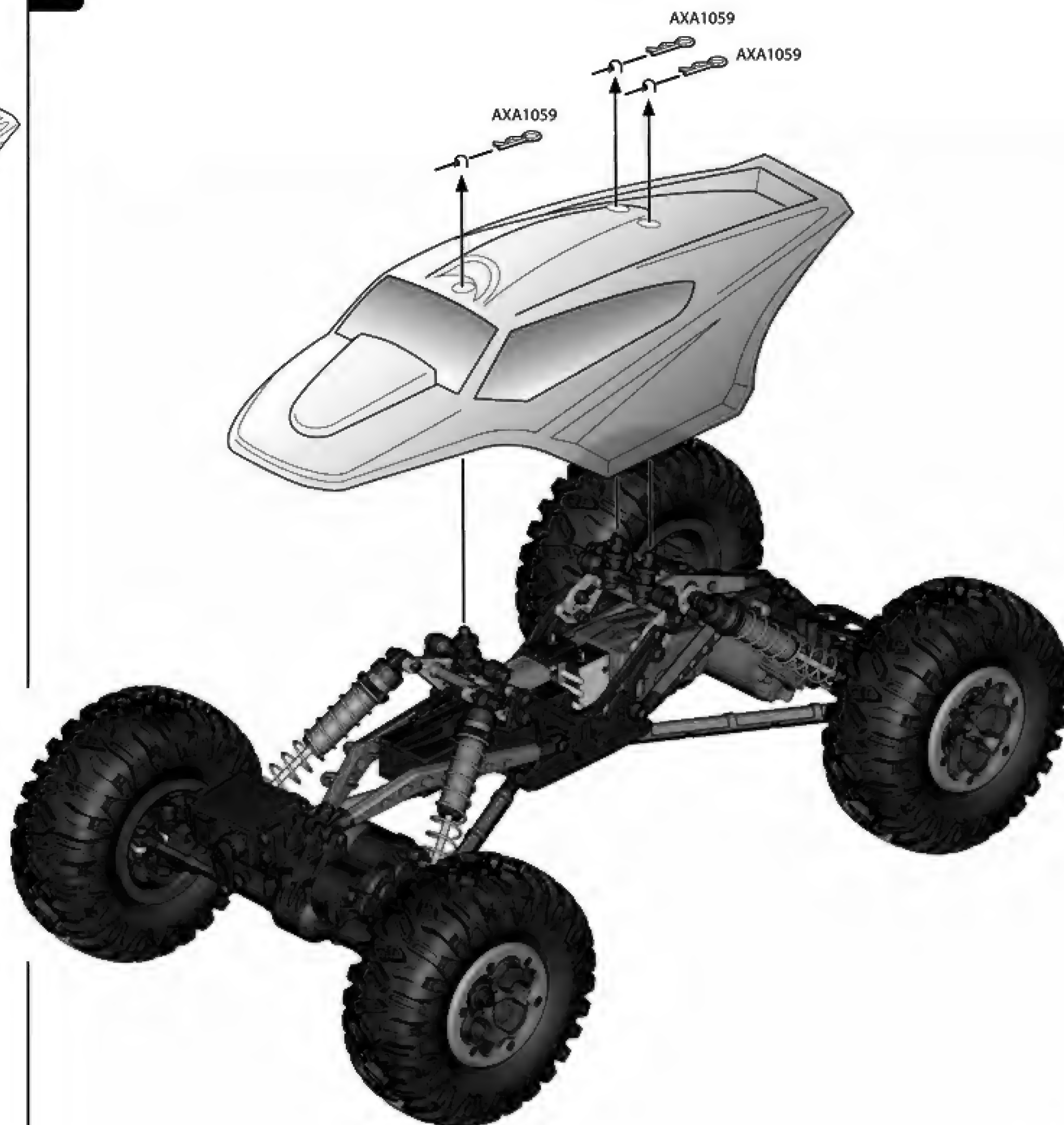


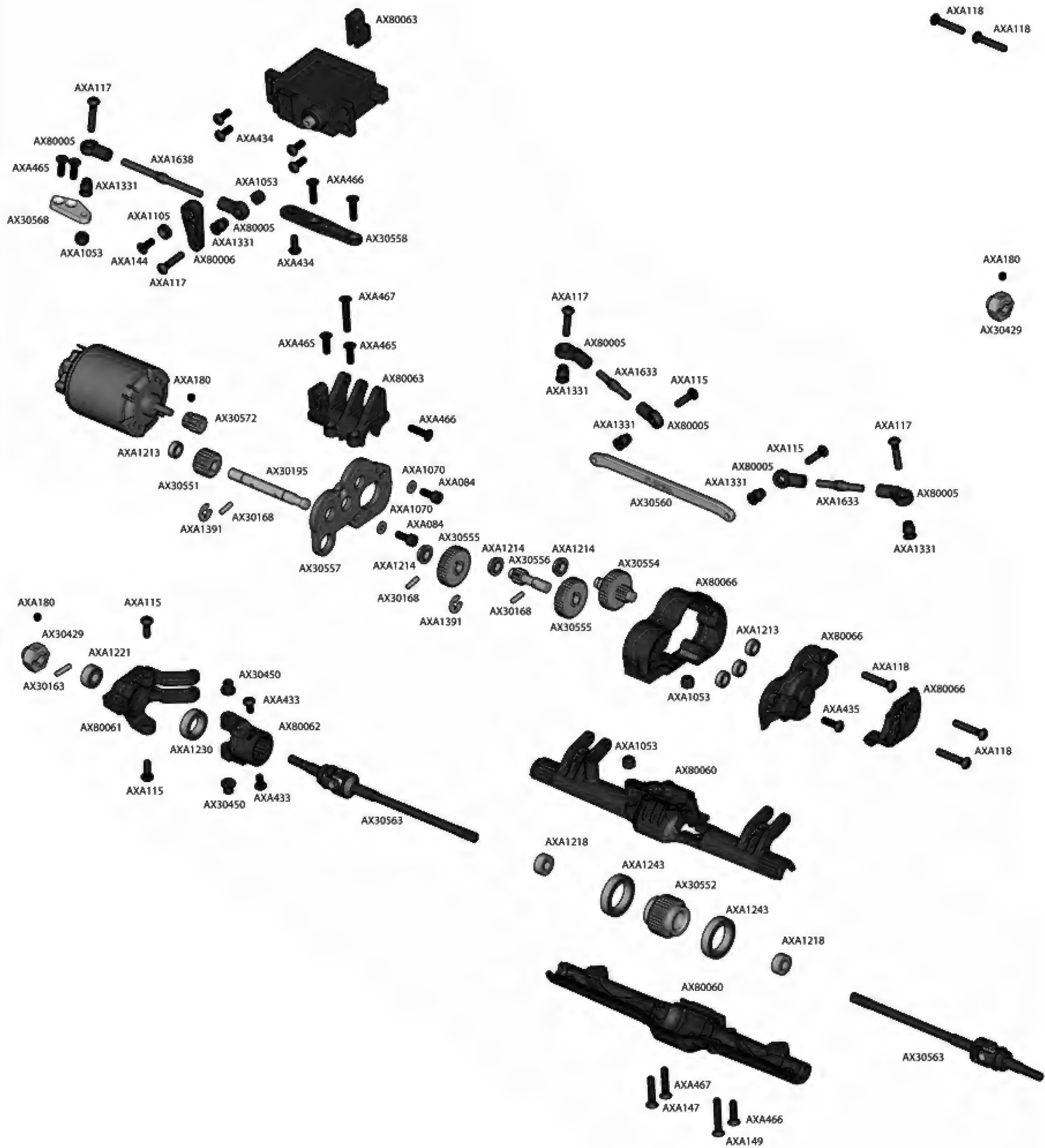
**AXA1059**  
6mm Body Clips **x3**



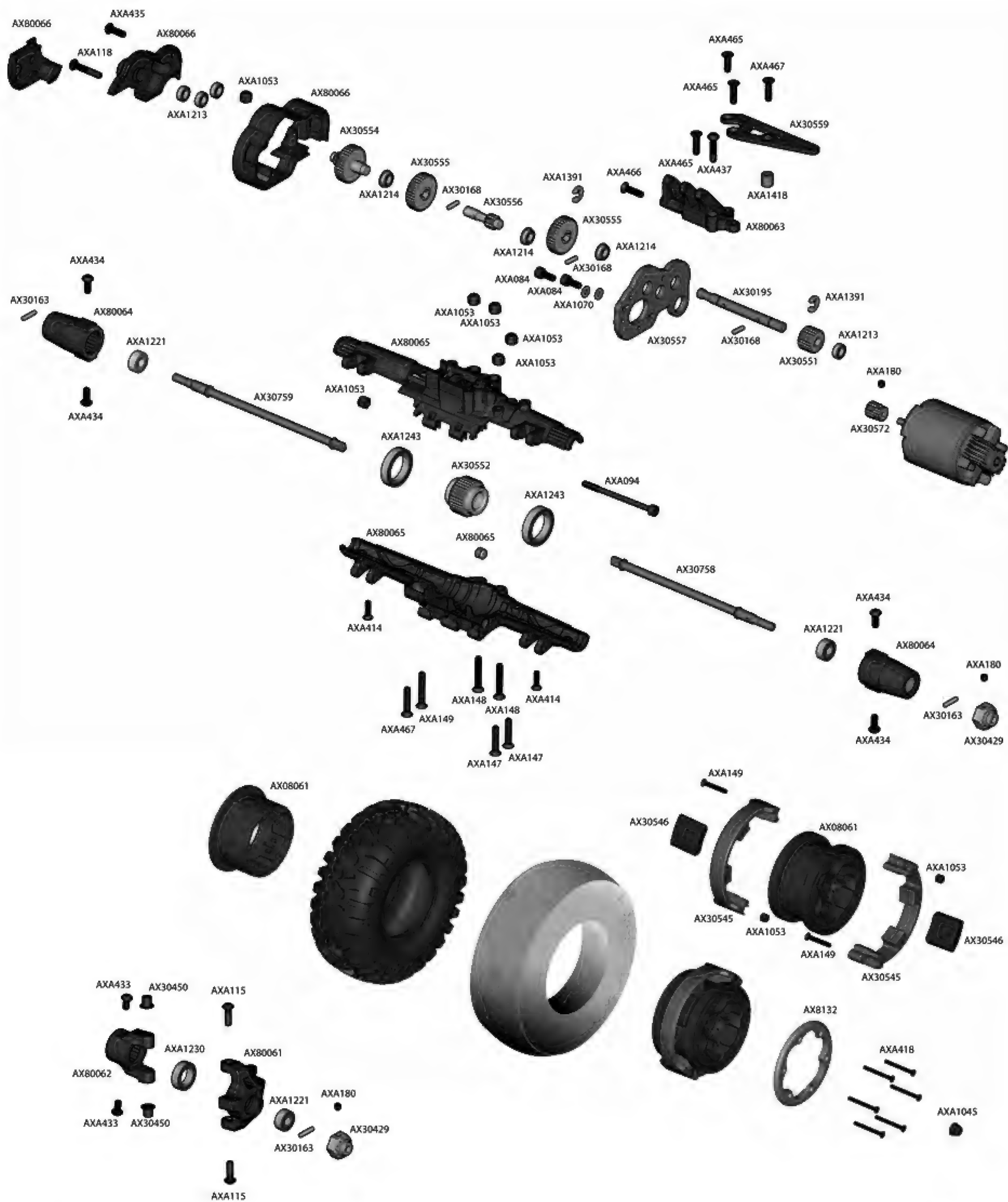
**AX04026**  
Hardline Crawler Body .040" **x1**

**49**



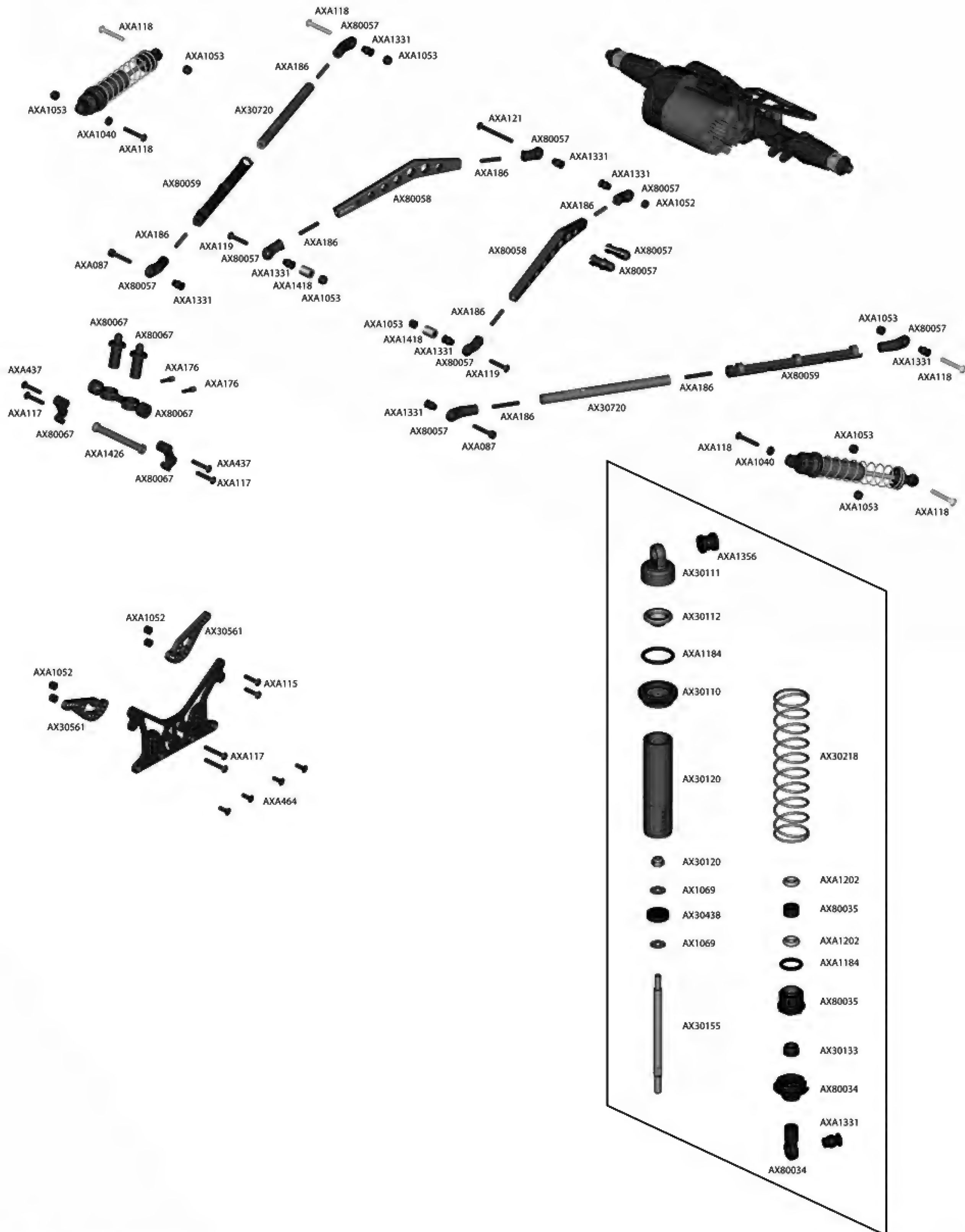








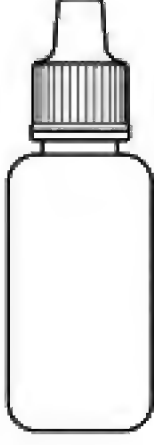




Shock Absorbers / Dämpfer

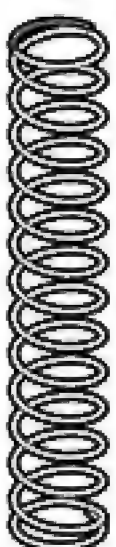
Proper building, maintenance, and tuning of your shocks will enhance the performance of your XR10. Be sure to inspect the shocks regularly for any sign of wear or damage and replace parts as needed. Tune your shocks to enhance the performance of your XR10 using the tips provided below.

Ordnungsgemäßer Zusammenbau, Wartung und Abstimmung der Dämpfer wird die Leistung Ihres XR10 erhöhen. Prüfen Sie unbedingt regelmäßig die Dämpfer auf Verschleiß und ersetzen Sie die nötigen Teile. Stimmen Sie Ihre Dämpfer ab wie untenstehend beschrieben, um die Leistung des Wagens zu erhöhen.



### Shock Oil / Dämpferöl

Thinner / Dünner	Thicker / Dicker
Softer damping More traction Quicker weight transfer  Weichere Dämpfung Mehr Griff Schnellere gewichtsverlagerung	Stiffer damping Slower chassis weight transfer Reacts slower to input  Härtere Dämpfung Langsamere Gewichtsverlagerung Auto reagiert langsamer auf Steuerbefehle



### Shock Spring / Dämpferfeder / Ressort d'amortisseur

Softer / Weicher  
More Chassis Roll  
Mehr rollbewegung des chassis

↕

Less Chassis Roll  
Weniger rollbewegung des chassis  
Moins de roulis du châssis

**Soft**  
  
**Firm**

Gear Ratio / Getriebeübersetzung

Use this equation to calculate the final drive ratio.  
**Final Drive Gear Ratio**=1/((pinion/Spur=36)X0.068)

Mit dieser Gleichung können Sie die Gesamtübersetzung berechnen.  
**Gesamtübersetzung** = 1/((pinion/Spur=36)X0.068)

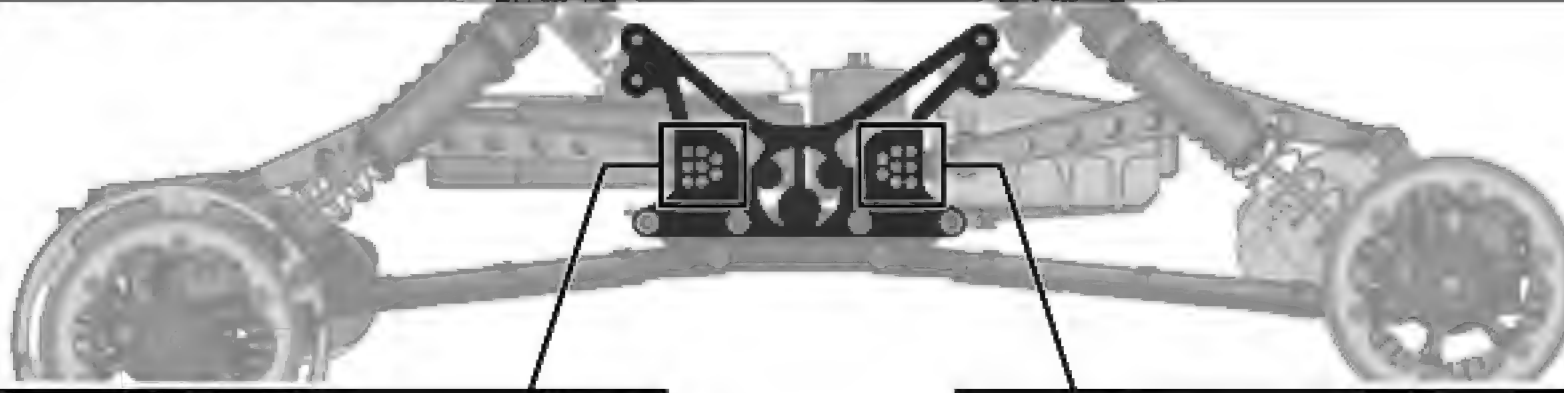
**Slower - More Torque**  
Langsamer - Mehr Kraft

↔

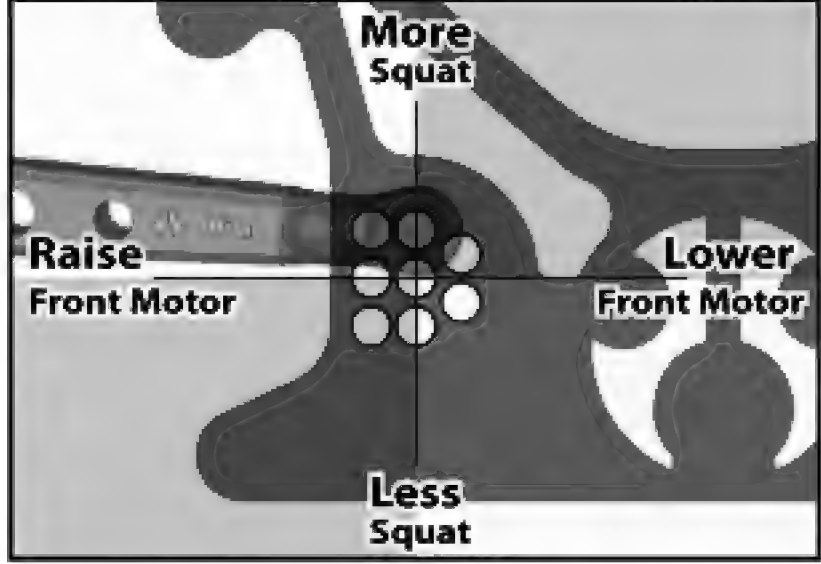
**Faster - Less Torque**  
Schneller - Weniger Kraft

48 Pitch	Pinion							
Spur	12	13	14	15	16	17	18	19
36	44.12	40.72	37.82	35.29	33.09	31.14	29.41	27.86

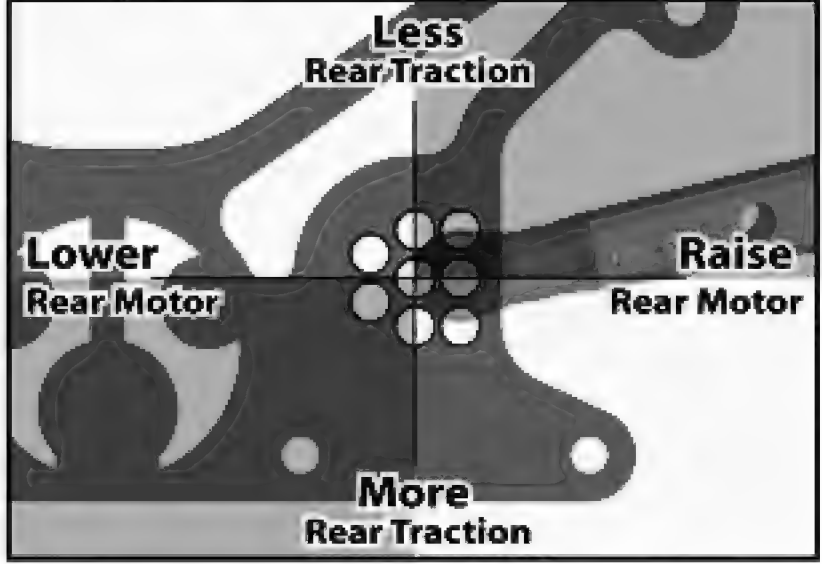
Chassis Adjustment / Einstellung Chassis



### Front Chassis Setup



More Squat  
Less Squat  
Raise Front Motor  
Lower Front Motor



### Rear Chassis Setup

Less Rear Traction  
More Rear Traction  
Lower Rear Motor  
Raise Rear Motor



<b>Part #</b>	<b>Description</b>
AX04026	Hardline Crawler Body .040"
AX08061	2.2 VWS Beadlock Wheels (Black) (2pcs) (Fits XR10)
AX08132	2.2 VWS Machined Beadlock Rings (Orange) (2pcs)
AX30031	Antenna
AX30112	Shock Diaphragm 13x4.5mm (6pcs)
AX30113	Rubber Bump Stop 3.6x7x4 (6pcs)
AX30120	Aluminum Shock Body 12x47.5mm (2pcs)
AX30155	Shock Shaft 3x59.5 (2pcs)
AX30163	Pin 2x10mm (6pcs.)
AX30168	Pin 2x8mm
AX30195	5x49mm Gear Shaft
AX30196	5x58mm Gear Shaft
AX30218	Spring 14x70mm 2.07 lbs/in - Super Soft (Red) (2pcs)
AX30429	12mm Locking Hub (Black)
AX30438	10mm Machined Piston - 1.2 (4pcs)
AX30450	Flange Pipe 3x4.5x5.5
AX30545	2.2 Wheel weight - Main ring - 57g/2oz
AX30546	2.2 Wheel weight - Ring 1 - 21g/0.75oz
AX30551	22T-48P Drive Gear
AX30552	36T-48P Final Gear
AX30554	First 36T-48P V2
AX30555	Second 36T-48P V2
AX30556	Second 12T-48P V2
AX30557	Gear Case Plate 3mm
AX30558	XR10 Steering Servo Plate
AX30559	XR10 Rear Axle Plate
AX30560	XR10 Steering Plate
AX30561	XR10 Chassis Shock Mounts
AX30562	XR10 Chassis plate
AX30563	Universal Axle Shafts
AX30568	XR10 Steering Arm
AX30572	Pinion 48DP 14T
AX30714	Threaded Aluminum Pipe 7x73mm - Grey
AX30720	Threaded aluminum Pipe 7x94mm - Grey
AX30758	XR10 Rear Straight Axle Shaft Set
AX80005	Linkage Set
AX80006	Servo Set
AX80033	10mm Shock Set 1
AX80034	10mm Shock Set 2
AX80035	10mm Shock Caps Set
AX80055	XR10 Electronics Tray Set
AX80056	XR10 Chassis Skid Plate and Battery Mount Set
AX80057	XR10 Linkage set
AX80058	Hi-Clearance Links Set
AX80059	Lower Link Slider Set
AX80060	XR10 Front Axle Case
AX80061	Steering Knuckles Plastic Set
AX80062	C Hub Carrier Set
AX80063	XR10 Axle Case Cap Set
AX80064	XR10 Straight Axle Adapter Set
AX80065	XR10 Rear Axle Case
AX80066	XR10 Gearbox
AX80067	Adjustable Body Mounts Set
AXA0084	M3x8mm Cap Head (Black)
AXA087	M3x16mm Cap Head (Black)
AXA0094	M3x45mm Cap Head (Black)
AXA1040	M3 Nylon Hex Nut (Black)
AXA1041	Nylon Locknut 2.5 (10pcs)
AXA1045	M4 Nylon Lock Nut (Black)
AXA1052	M3 Thin Nylon Locking Hex Nut (Black)
AXA1053	M3 Nylon Locking Hex Nut (Black)
AXA1059	6mm Body Clips
AXA1069	Washer 2.7x6.7x0.5 (10pcs)
AXA1070	WASHER 3x6x0.5
AXA1090	Washer 4.8x14
AXA1105	Cone Washer 3x7x2mm

<b>Part #</b>	<b>Description</b>
AXA115	M3x10mm Hex Socket Button Head (Black)
AXA116	M3x12mm Hex Socket Button Head (Black)
AXA117	M3x15mm Hex Socket Button Head (Black)
AXA118	M3x18mm Hex Socket Button Head (Black)
AXA1184	O-Ring 7.5x1.5mm (S8) (10pcs)
AXA119	M3x20mm Hex Socket Button Head (Black)
AXA1202	O-Ring 3.5x2mm (10pcs)
AXA121	M3x30mm Button Head (Black Oxide)
AXA1213	Bearing 5x8x2.5mm
AXA1214	Flanged BB 5x8x2.5mm
AXA1218	Bearing 5x10x4mm
AXA1221	Bearing 5x11x4mm
AXA1230	Bearing 10x15x4mm
AXA1243	Bearing 15x21x4mm
AXA1331	Flanged Ball 3x5.8x7mm
AXA1356	Silicone Shock Bushing 7.5x8mm
AXA1391	4mm e clip
AXA1418	6x6mm Spacer - Grey
AXA1424	7x35mm Post - Grey (2pcs)
AXA1426	7x45mm Post - Grey (2pcs)
AXA144	M3x8mm Hex Socket Flat Head (Black)
AXA0147	M3x16mm Hex Socket Flat Head (Black)
AXA149	M3x20mm Hex Socket Flat Head (Black)
AXA0151	M3x30mm Hex Socket Flat Head (Black)
AXA1633	M3x25 Turnbuckle
AXA1638	M3x50 Turnbuckle
AXA176	Screw Shaft M3x2.5x13mm
AXA180	M3x3mm Set Screw (Black)
AXA186	M3x16mm Set Screw (Black Oxide)
AXA0187	M3x20mm Set Screw (Black Oxide)
AXA0412	M2.6x6mm Hex Socket Tapping Flat Head (Black)
AXA0414	M2.6x10mm Hex Socket Tapping Flat Head (Black)
AXA0418	M2.6x25mm Hex Socket Tapping Flat Head (Black)
AXA433	M3x6mm Hex Socket Tapping Button Head (Black)
AXA434	M3x8mm Hex Socket Tapping Button Head (Black)
AXA435	M3x10mm Hex Socket Tapping Button Head (Black)
AXA0437	M3x15mm Hex Socket Tapping Button Head (Black)
AXA464	M3x8mm Hex Socket Tapping Flat Head (Black)
AXA465	M3x10mm Hex Socket Tapping Flat Head (Black)
AXA466	M3x12mm Hex Socket Tapping Flat Head (Black)
AXA0467	M3x16mm Hex Socket Tapping Flat Head (Black)

**Option Parts**

AX08062	2.2 VWS Beadlocks Wheels (Satin Chrome) (2pcs) (Fits XR10)
AX08069	2.2 VWS Beadlock Rings (Black) (2pcs)
AX08133	2.2 VWS Machined Beadlock Rings (Grey) (2pcs)
AX30110	13mm Aluminum Preload Collar (2pcs)
AX30111	Aluminum Shock Cap (2pcs)
AX30218	Spring 14x70mm 2.07 lbs/in - Super Soft (Red) (2pcs)
AX30219	Spring 14x70mm 2.47 lbs/in - Soft (White) (2pcs)
AX30220	Spring 14x70mm 2.85 lbs/in - Medium (Green) (2pcs)
AX30221	Spring 14x70mm 3.27 lbs/in - Firm (Yellow) (2pcs)
AX30222	Spring 14x70mm 3.55 lbs/in- Super Firm (Blue) (2pcs)
AX30750	XR10 Carbon Fiber Chassis Set (2pcs)
AX30752	XR10 Carbon Fiber Shock Mounts (2pcs)
AX30753	XR10 Carbon Fiber F/R Servo Mounts and Steering Arm Set
AX30757	2.2 VWS Carbon Fiber Wheel Weight Lock (2pcs)
AX30760	XR10 Aluminum Steering Knuckle (Black) (2pcs)
AX30762	XR10 Aluminum C-Hub Carrier (Black) (2pcs)
AX30763	XR10 Straight Axle Adapters (Black) (2pcs)
AX30767	Machined 22T-48P Final Drive Gear
AX30768	Machined Lightweight 36T-48P Final Gear
AX30769	Machined 12T-48P Gear 1
AX30770	Machined Lightweight 36T-48P Idler Gear
AX30771	Machined 12T-48P Gear 2
AX30772	Carbon Fiber XR10 Electronics Plate
AX30774	Carbon Fiber XR10 Battery Plate





**AX30110**  
13mm Aluminum Preload Collar (2pcs)



**AX30111**  
Aluminum Shock Cap (2pcs)



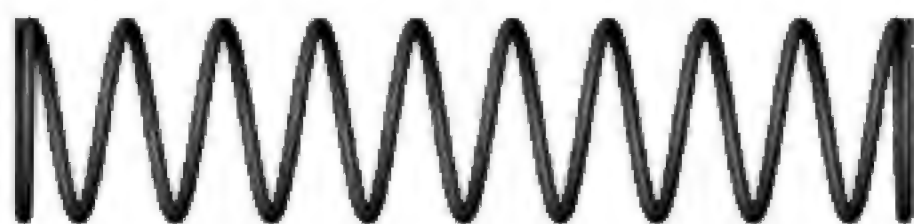
**AX30571**  
Steel Pinion 48DP 13T

**AX30569**  
Steel Pinion 48DP 14T

**AX30573**  
Steel Pinion 48DP 15T



**AX30767**  
Machined 22T-48P Drive Gear



**Spring**  
AXA30218 Spring 14x70mm 2.07 lbs/in - Super Soft (Red) (2pcs)  
AXA30219 Spring 14x70mm 2.47 lbs/in - Soft (White) (2pcs)  
AXA30220 Spring 14x70mm 2.85 lbs/in - Medium (Green) (2pcs)  
AXA30221 Spring 14x70mm 3.27 lbs/in - Firm (Yellow) (2pcs)  
AXA30222 Spring 14x70mm 3.55 lbs/in- Super Firm (Blue) (2pcs)



**AX30768**  
Machined Lightweight 36T-48P Final Gear



**AX30769**  
Machined 12T-48P Gear 1



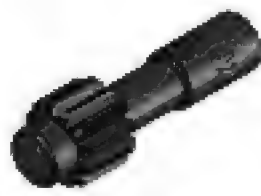
**AX30760**  
XR10 Aluminum Steering Knuckle (Black) (2pcs)



**AX30762**  
XR10 Aluminum C-Hub Carrier (Black) (2pcs)



**AX30770**  
Machined Lightweight 36T-48P Idler Gear



**AX30771**  
Machined 12T-48P Gear 2



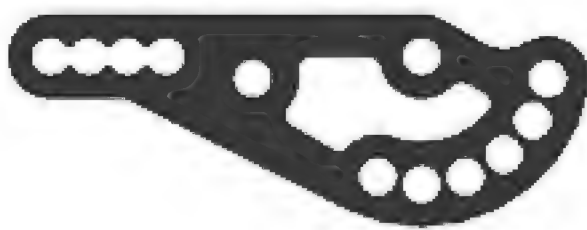
**AX30763**  
XR10 Straight Axle Adapters (Black) (2pcs)



**AX30757**  
2.2 VWS Carbon Fiber Wheel Weight Lock (2pcs)



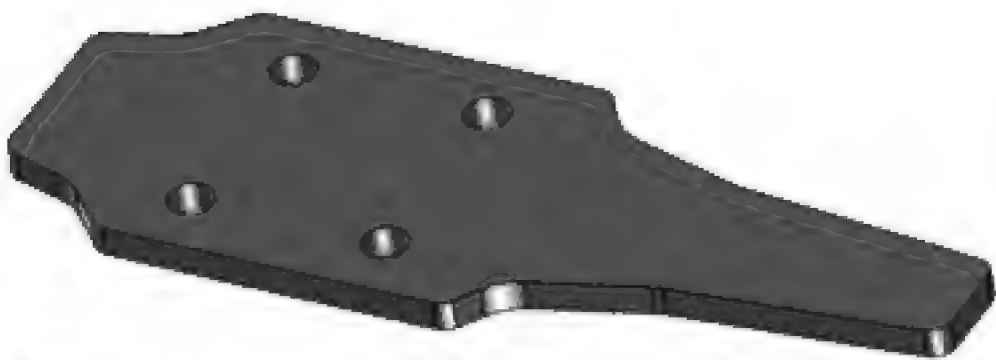
**AX30750**  
XR10 Carbon Fiber Chassis Set (2pcs)



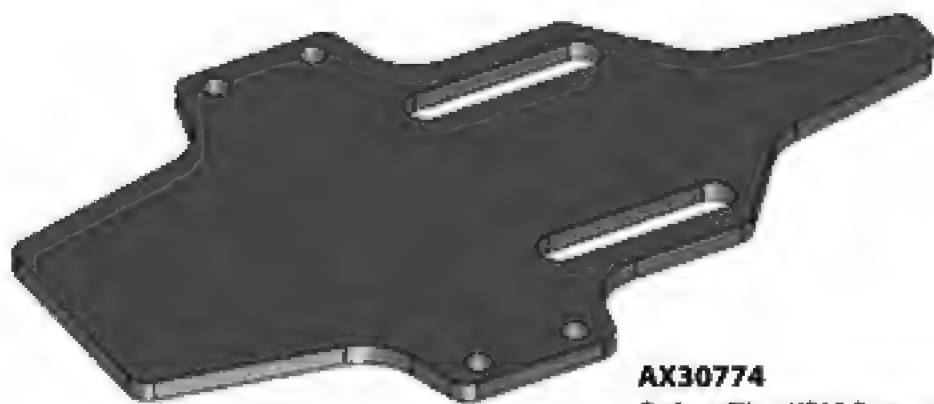
**AX30752**  
XR10 Carbon Fiber Shock Mounts (2pcs)



**AX30753**  
XR10 Carbon Fiber F/R Servo Mounts and Steering Arm Set



**AX30772**  
Carbon Fiber XR10 Electronics Plate



**AX30774**  
Carbon Fiber XR10 Battery Plate



## Warranty Info

### Axial Limited Warranty (USA)

Your Axial product is warranted to be free of defects in materials and workmanship when new. This warranty does not cover damages due to normal wear and tear, user's failure to perform routine maintenance, user error of assembly or installation, user modifications, addition of aftermarket parts or option parts. This warranty lasts as long as the original purchaser owns the product, and is not transferable (Verified by dated itemized sales receipt). In the event of a defect under this warranty, Axial will, at our discretion, repair or replace the product, provided our inspection indicates that an original defect exists. Axial reserves the right to replace any product which is no longer available with a product of comparable value and function. If Axial determines the repair is not covered under warranty guidelines, there could be a charge applied for the repair and return shipping charges.

### International Customers Warranty

Please return product to the dealer where the purchase was made. If your Axial product purchase was made through an on-line retailer, any warranty issues must be taken care of by that retailer. Axial assumes no responsibility for Axial products sold internationally by on-line retailers.

### Service

If you need service on your Axial product here are some simple steps to follow when sending in product in for Warranty/ Repair.

#### STEP 1:

Contact Axial Customer Service at 949-600-8642 Ext: 206 to receive a Return Merchandise Number (RMA#). **Note:** Axial requires the RMA# to be placed on the return merchandise box when shipped to Axial.

#### STEP 2:

Please write a short note explaining the issue you experienced with the product.

#### STEP 3:

Include your return address with a daytime phone number and /or e-mail address.

#### STEP 4:

Please include a Money Order in the amount \$10.00 made payable to Axial for return shipping costs although If product is found to be under Axial Warranty coverage, the \$10.00 will be refunded to you.

**PLEASE NOTE:** Tuning issues are not covered under the Axial Warranty and shipping fee's do apply.

Please allow 5-10 working days for product to be returned. Axial ships using United Postal Service Priority mail or UPS Ground. Any expedited shipping must be arranged and prepaid by customer. Axial will not be responsible for lost or damaged packages.

## Notes

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EVOLVED**

**DESIGNED  
TO FIT YOUR  
HANDS**

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THE PEOPLE

AVAILABLE IN EITHER  
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HANDLES  
SEEM TO HAVE BEEN  
DESIGNED FOR KIDS**

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AX20000

**TOOL TOTE**  
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**FLYWHEEL REMOVER**  
AX20006

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